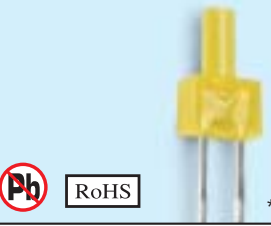
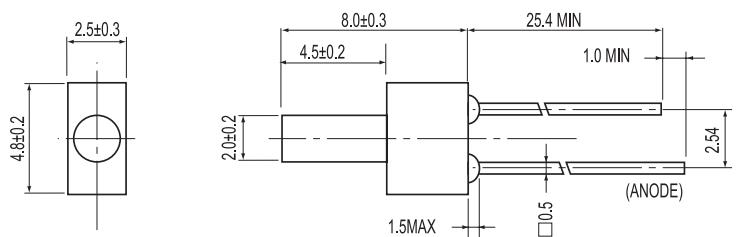


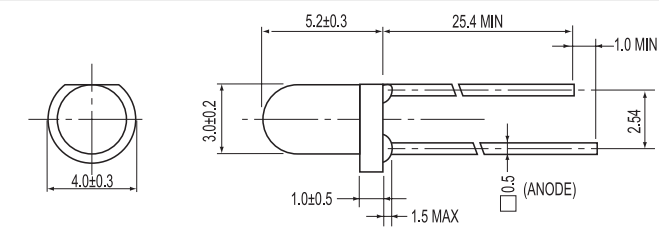
| Part Number<br>EL-xxxx | Chip     |               |                     | Lens Color | V <sub>F</sub> (V) at I <sub>F</sub> = 20mA |      | I <sub>v</sub> (mcd)   |      |      | Viewing Angle<br>2θ 1/2 |
|------------------------|----------|---------------|---------------------|------------|---------------------------------------------|------|------------------------|------|------|-------------------------|
|                        | Material | Emitted Color | λ <sub>D</sub> (nm) |            | Typ.                                        | Max. | at I <sub>F</sub> = mA | Min. | Typ. |                         |

### 2mm Tower Type LED

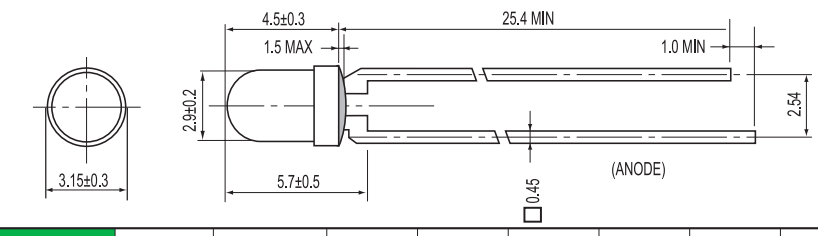
UNIT: mm

|                                                                                                                                                      |           |                                                                                    |     |             |     |     |    |     |     |    |
|------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|------------------------------------------------------------------------------------|-----|-------------|-----|-----|----|-----|-----|----|
|  <p><b>RoHS</b></p> <p>* V<sub>F</sub>(V) at I<sub>F</sub>=10mA</p> |           |  |     |             |     |     |    |     |     |    |
| 103GD                                                                                                                                                | GaP       | Green                                                                              | 570 | Color Diff. | 2.1 | 2.4 | 10 | 0.4 | 2.5 | 90 |
| 103YD                                                                                                                                                | GaAsP/GaP | Yellow                                                                             | 590 |             | 2.0 | 2.4 |    | 0.3 | 2.5 |    |
| 103ID                                                                                                                                                | GaAsP/GaP | HI-Elf Red                                                                         | 625 |             | 2.0 | 2.4 |    | 0.4 | 2.5 |    |
| 103HD*                                                                                                                                               | GaP       | Red                                                                                | 650 |             | 2.0 | 2.4 |    | 0.2 | 1.0 |    |

### 3mm Round Standard LED, T-1

|                                                                                                                                                       |           |                                                                                     |     |              |     |     |    |     |     |    |
|-------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|-------------------------------------------------------------------------------------|-----|--------------|-----|-----|----|-----|-----|----|
|  <p><b>RoHS</b></p> <p>* V<sub>F</sub>(V) at I<sub>F</sub>=10mA</p> |           |  |     |              |     |     |    |     |     |    |
| 204GD                                                                                                                                                 | GaP       | Green                                                                               | 570 | Color Diff.  | 2.1 | 2.4 | 10 | 4.0 | 10  | 70 |
| 204YD                                                                                                                                                 | GaAsP/GaP | Yellow                                                                              | 590 |              | 2.0 | 2.4 |    | 2.5 | 6.3 |    |
| 204ID                                                                                                                                                 | GaAsP/GaP | HI-Elf Red                                                                          | 625 |              | 2.0 | 2.4 |    | 4.0 | 6.3 |    |
| 204ED                                                                                                                                                 | GaAsP/GaP | Orange                                                                              | 625 |              | 2.0 | 2.4 |    | 4.0 | 6.3 | 70 |
| 204HD*                                                                                                                                                | GaP       | Red                                                                                 | 650 |              | 2.0 | 2.4 |    | 0.5 | 1.0 | 60 |
| 204GT                                                                                                                                                 | GaP       | Green                                                                               | 570 | Color Trans. | 2.1 | 2.4 | 10 | 16  | 40  | 30 |
| 204YT                                                                                                                                                 | GaAsP/GaP | Yellow                                                                              | 590 |              | 2.0 | 2.4 |    | 10  | 25  |    |
| 204IT                                                                                                                                                 | GaAsP/GaP | HI-Elf Red                                                                          | 625 |              | 2.0 | 2.4 |    | 10  | 20  |    |
| 204ET                                                                                                                                                 | GaAsP/GaP | Orange                                                                              | 625 |              | 2.0 | 2.4 |    | 10  | 20  |    |
| 204HT*                                                                                                                                                | GaP       | Red                                                                                 | 650 |              | 2.0 | 2.4 |    | 1.6 | 4.0 |    |

### 3mm Round Small Flange with Stand-Off LED, T-1

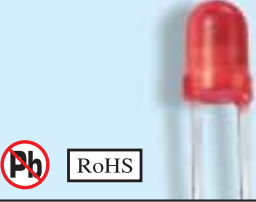
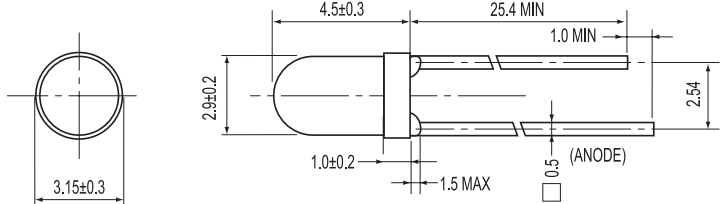
|                                                                                                                                                        |           |                                                                                      |     |              |     |     |    |      |     |    |
|--------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|--------------------------------------------------------------------------------------|-----|--------------|-----|-----|----|------|-----|----|
|  <p><b>RoHS</b></p> <p>* V<sub>F</sub>(V) at I<sub>F</sub>=10mA</p> |           |  |     |              |     |     |    |      |     |    |
| 264-7GD                                                                                                                                                | GaP       | Green                                                                                | 570 | Color Diff.  | 2.1 | 2.4 | 10 | 6.3  | 10  | 60 |
| 264-7YD                                                                                                                                                | GaAsP/GaP | Yellow                                                                               | 590 |              | 2.0 | 2.4 |    | 6.3  | 10  |    |
| 264-7ID                                                                                                                                                | GaAsP/GaP | HI-Elf Red                                                                           | 625 |              | 2.0 | 2.4 |    | 4.0  | 10  |    |
| 264-7HD*                                                                                                                                               | GaP       | Red                                                                                  | 650 |              | 2.0 | 2.4 |    | 0.25 | 1.0 |    |
| 264-7GT                                                                                                                                                | GaP       | Green                                                                                | 570 | Color Trans. | 2.1 | 2.4 | 10 | 20   | 40  | 40 |
| 264-7YT                                                                                                                                                | GaAsP/GaP | Yellow                                                                               | 590 |              | 2.0 | 2.4 |    | 10   | 16  |    |
| 264-7IT                                                                                                                                                | GaAsP/GaP | HI-Elf Red                                                                           | 625 |              | 2.0 | 2.4 |    | 6.3  | 16  |    |

All dibasic and ternary LEDs will be replaced by quaternary LED (AlInGaP) unless specifically required by customer.

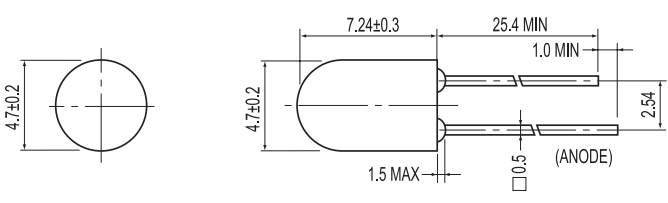
| Part Number<br>EL-xxxx | Chip     |               |                     | Lens Color | V <sub>F</sub> (V) at I <sub>F</sub> = 20mA |      | I <sub>v</sub> (mcd)   |      |      | Viewing Angle<br>2θ 1/2 |
|------------------------|----------|---------------|---------------------|------------|---------------------------------------------|------|------------------------|------|------|-------------------------|
|                        | Material | Emitted Color | λ <sub>D</sub> (nm) |            | Typ.                                        | Max. | at I <sub>F</sub> = mA | Min. | Typ. |                         |

## 3mm Round Small Flange without Stand-Off LED, T-1

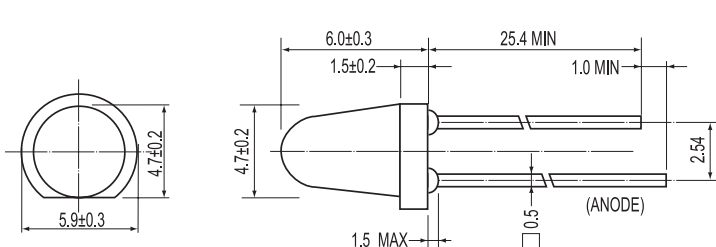
UNIT: mm

|                                                                                                                                                                |           |                                                                                    |     |              |     |     |    |     |     |    |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|------------------------------------------------------------------------------------|-----|--------------|-----|-----|----|-----|-----|----|
|  <p><b>Pb</b> <b>RoHS</b></p> <p>* V<sub>F</sub>(V) at I<sub>F</sub>=10mA</p> |           |  |     |              |     |     |    |     |     |    |
| 264-10GD                                                                                                                                                       | GaP       | Green                                                                              | 570 | Color Diff.  | 2.1 | 2.4 | 10 | 2.5 | 10  | 60 |
| 264-10YD                                                                                                                                                       | GaAsP/GaP | Yellow                                                                             | 590 |              | 2.0 | 2.4 |    | 1.6 | 10  |    |
| 264-10ED                                                                                                                                                       | GaAsP/GaP | Orange                                                                             | 625 |              | 2.0 | 2.4 |    | 2.5 | 10  |    |
| 264-10ID                                                                                                                                                       | GaAsP/GaP | HI-Elf Red                                                                         | 625 |              | 2.0 | 2.4 |    | 2.0 | 10  |    |
| 264-10HD*                                                                                                                                                      | GaP       | Red                                                                                | 650 | Color Trans. | 2.0 | 2.4 | 10 | 1.6 | 2.5 | 40 |
| 264-10GT                                                                                                                                                       | GaP       | Green                                                                              | 570 |              | 2.1 | 2.4 |    | 20  | 40  |    |
| 264-10YT                                                                                                                                                       | GaAsP/GaP | Yellow                                                                             | 590 |              | 2.0 | 2.4 |    | 16  | 40  |    |

## 4.7mm Round Flangeless LED, T-1 3/4

|                                                                                                                                                                 |           |                                                                                     |     |              |     |     |    |     |     |    |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|-------------------------------------------------------------------------------------|-----|--------------|-----|-----|----|-----|-----|----|
|  <p><b>Pb</b> <b>RoHS</b></p> <p>* V<sub>F</sub>(V) at I<sub>F</sub>=10mA</p> |           |  |     |              |     |     |    |     |     |    |
| 313GD                                                                                                                                                           | GaP       | Green                                                                               | 570 | Color Diff.  | 2.1 | 2.4 | 10 | 2.5 | 5.0 | 60 |
| 313YD                                                                                                                                                           | GaAsP/GaP | Yellow                                                                              | 590 |              | 2.0 | 2.4 |    | 2.5 | 5.0 |    |
| 313ID                                                                                                                                                           | GaAsP/GaP | HI-Elf Red                                                                          | 625 |              | 2.0 | 2.4 |    | 2.5 | 5.0 |    |
| 313HD*                                                                                                                                                          | GaP       | Red                                                                                 | 650 |              | 2.0 | 2.4 |    | 0.5 | 1.6 |    |
| 313GT                                                                                                                                                           | GaP       | Green                                                                               | 570 | Color Trans. | 2.1 | 2.4 | 10 | 16  | 40  | 25 |
| 313YT                                                                                                                                                           | GaAsP/GaP | Yellow                                                                              | 590 |              | 2.0 | 2.4 |    | 25  | 40  |    |
| 313IT                                                                                                                                                           | GaAsP/GaP | HI-Elf Red                                                                          | 625 |              | 2.0 | 2.4 |    | 40  | 63  |    |

## 5mm Low Profile Shape LED, T-1 3/4

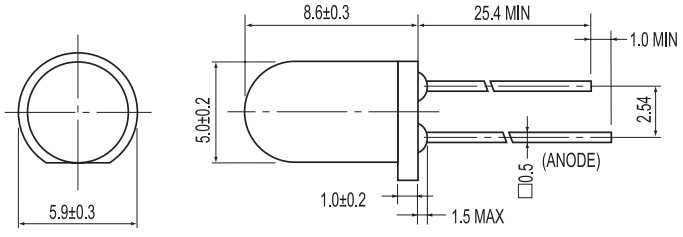
|                                                                                                                                                                  |           |                                                                                      |     |              |     |     |    |     |      |    |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|--------------------------------------------------------------------------------------|-----|--------------|-----|-----|----|-----|------|----|
|  <p><b>Pb</b> <b>RoHS</b></p> <p>* V<sub>F</sub>(V) at I<sub>F</sub>=10mA</p> |           |  |     |              |     |     |    |     |      |    |
| 323GD                                                                                                                                                            | GaP       | Green                                                                                | 570 | Color Diff.  | 2.1 | 2.4 | 10 | 1.0 | 4.0  | 60 |
| 323ID                                                                                                                                                            | GaAsP/GaP | HI-Elf Red                                                                           | 625 |              | 2.0 | 2.4 |    | 1.0 | 4.0  |    |
| 323HD*                                                                                                                                                           | GaP       | Red                                                                                  | 650 |              | 2.0 | 2.4 |    | 0.4 | 0.63 |    |
| 323GT                                                                                                                                                            | GaP       | Green                                                                                | 570 | Color Trans. | 2.1 | 2.4 | 10 | 10  | 20   | 40 |

All dibasic and ternary Leds will be replaced by quaternary Led(AlInGaP) unless specifically required by customer.

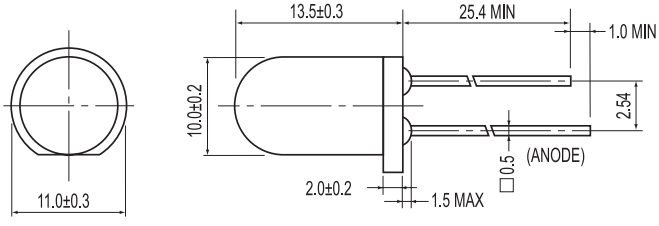
| Part Number<br>EL-xxxx | Chip     |               |                     | Lens Color | V <sub>F</sub> (V) at I <sub>F</sub> = 20mA |      | I <sub>v</sub> (mcd)   |      |      | Viewing Angle<br>2θ 1/2 |
|------------------------|----------|---------------|---------------------|------------|---------------------------------------------|------|------------------------|------|------|-------------------------|
|                        | Material | Emitted Color | λ <sub>D</sub> (nm) |            | Typ.                                        | Max. | at I <sub>F</sub> = mA | Min. | Typ. |                         |

5mm Round Standard LED, T-1 3/4

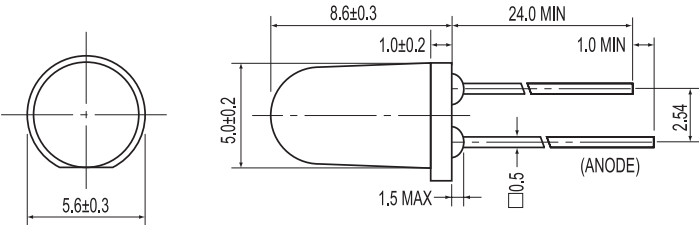
UNIT: mm

|                                                                                                                                                         |           |                                                                                    |     |              |     |     |    |     |     |    |
|---------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|------------------------------------------------------------------------------------|-----|--------------|-----|-----|----|-----|-----|----|
|  <p><b>Pb</b> RoHS</p> <p>* V<sub>F</sub>(V) at I<sub>F</sub>=10mA</p> |           |  |     |              |     |     |    |     |     |    |
| 333GD                                                                                                                                                   | GaP       | Green                                                                              | 570 | Color Diff.  | 2.1 | 2.4 | 10 | 2.0 | 10  | 60 |
| 333YD                                                                                                                                                   | GaAsP/GaP | Yellow                                                                             | 590 |              | 2.0 | 2.4 |    | 2.0 | 10  |    |
| 333ID                                                                                                                                                   | GaAsP/GaP | HI-Elf Red                                                                         | 625 |              | 2.0 | 2.4 |    | 2.5 | 10  |    |
| 333HD*                                                                                                                                                  | GaP       | Red                                                                                | 650 |              | 2.0 | 2.4 |    | 1.0 | 2.0 |    |
| 333GT                                                                                                                                                   | GaP       | Green                                                                              | 570 | Color Trans. | 2.1 | 2.4 | 10 | 10  | 30  | 20 |
| 333YT                                                                                                                                                   | GaAsP/GaP | Yellow                                                                             | 590 |              | 2.0 | 2.4 |    | 25  | 40  |    |
| 333IT                                                                                                                                                   | GaAsP/GaP | HI-Elf Red                                                                         | 625 |              | 2.0 | 2.4 |    | 10  | 30  |    |
| 333HT*                                                                                                                                                  | GaP       | Red                                                                                | 650 |              | 2.0 | 2.4 |    | 1.6 | 4.0 |    |

10mm Round LED

|                                                                                                                                                           |           |                                                                                      |     |             |     |     |    |     |      |    |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|--------------------------------------------------------------------------------------|-----|-------------|-----|-----|----|-----|------|----|
|  <p><b>Pb</b> RoHS</p> <p>* V<sub>F</sub>(V) at I<sub>F</sub>=10mA</p> |           |  |     |             |     |     |    |     |      |    |
| 363GD                                                                                                                                                     | GaP       | Green                                                                                | 570 | Color Diff. | 2.1 | 2.4 | 10 | 10  | 20   | 40 |
| 363YD                                                                                                                                                     | GaAsP/GaP | Yellow                                                                               | 590 |             | 2.0 | 2.4 |    | 6.3 | 12.5 |    |
| 363ID                                                                                                                                                     | GaAsP/GaP | HI-Elf Red                                                                           | 625 |             | 2.0 | 2.4 |    | 6.3 | 12.5 |    |
| 363HD*                                                                                                                                                    | GaP       | Red                                                                                  | 650 |             | 2.0 | 2.4 |    | 1.6 | 3.2  |    |

5mm Round LED

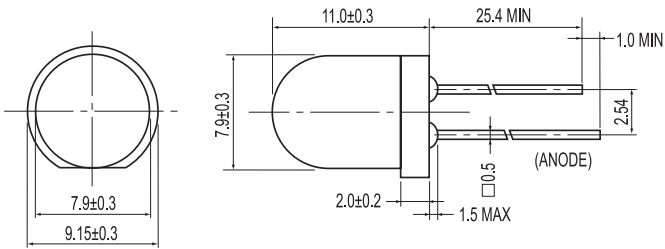
|                                                                                                                                                           |           |                                                                                      |     |             |     |     |    |     |     |    |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|--------------------------------------------------------------------------------------|-----|-------------|-----|-----|----|-----|-----|----|
|  <p><b>Pb</b> RoHS</p> <p>* V<sub>F</sub>(V) at I<sub>F</sub>=10mA</p> |           |  |     |             |     |     |    |     |     |    |
| 383GD                                                                                                                                                     | GaP       | Green                                                                                | 570 | Color Diff. | 2.1 | 2.4 | 10 | 10  | 25  | 50 |
| 383YD                                                                                                                                                     | GaAsP/GaP | Yellow                                                                               | 590 |             | 2.0 | 2.4 |    | 4.0 | 8.0 |    |
| 383ID                                                                                                                                                     | GaAsP/GaP | HI-Elf Red                                                                           | 625 |             | 2.0 | 2.4 |    | 10  | 25  |    |
| 383HD*                                                                                                                                                    | GaP       | Red                                                                                  | 650 |             | 2.0 | 2.4 |    | 0.5 | 1.6 |    |

All dibasic and ternary Leds will be replaced by quaternary Led(AlInGaP) unless specifically required by customer.

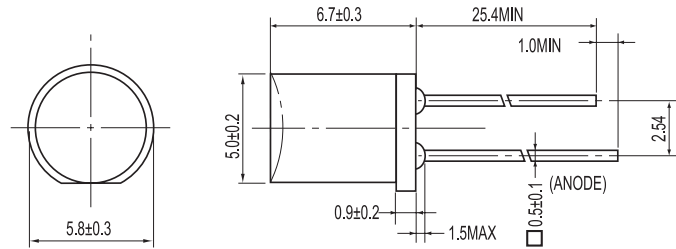
| Part Number<br>EL-xxxx | Chip     |               |                     | Lens Color | V <sub>F</sub> (V) at I <sub>F</sub> = 20mA |      | I <sub>V</sub> (mcd)   |      |      | Viewing Angle<br>2θ 1/2 |
|------------------------|----------|---------------|---------------------|------------|---------------------------------------------|------|------------------------|------|------|-------------------------|
|                        | Material | Emitted Color | λ <sub>D</sub> (nm) |            | Typ.                                        | Max. | at I <sub>F</sub> = mA | Min. | Typ. |                         |

### 8mm Round LED

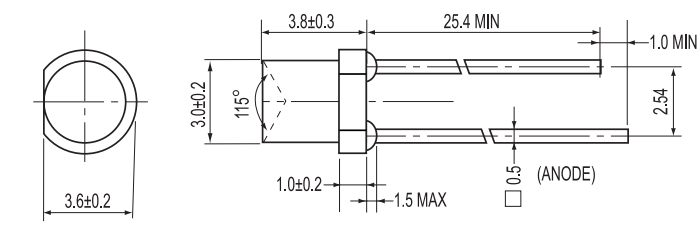
UNIT: mm

|                                                                                   |           |                                                                                    |     |             |     |     |    |     |     |    |
|-----------------------------------------------------------------------------------|-----------|------------------------------------------------------------------------------------|-----|-------------|-----|-----|----|-----|-----|----|
|  |           |  |     |             |     |     |    |     |     |    |
| 393GD                                                                             | GaP       | Green                                                                              | 570 | Color Diff. | 2.1 | 2.4 | 10 | 2.3 | 7.5 | 70 |
| 393YD                                                                             | GaAsP/GaP | Yellow                                                                             | 590 |             | 2.0 | 2.4 |    | 1.8 | 7.5 |    |
| 393ID                                                                             | GaAsP/GaP | HI-Elf Red                                                                         | 625 |             | 2.0 | 2.4 |    | 2.3 | 7.5 |    |
| 393ED                                                                             | GaAsP/GaP | Orange                                                                             | 625 |             | 2.0 | 2.4 |    | 2.3 | 7.5 |    |

### 5mm Backlighting Wide Angle LED, T-1 3/4

|                                                                                    |           |                                                                                     |     |              |     |     |    |     |     |     |
|------------------------------------------------------------------------------------|-----------|-------------------------------------------------------------------------------------|-----|--------------|-----|-----|----|-----|-----|-----|
|  |           |  |     |              |     |     |    |     |     |     |
| 473GT                                                                              | GaP       | Green                                                                               | 570 | Color Trans. | 2.0 | 2.4 | 10 | 1.6 | 3.2 | 150 |
| 473YT                                                                              | GaAsP/GaP | Yellow                                                                              | 590 |              | 2.0 | 2.4 |    | 0.4 | 1.6 |     |
| 473ET                                                                              | GaAsP/GaP | Orange                                                                              | 625 |              | 2.0 | 2.4 |    | 1.0 | 2.0 |     |

### 3mm Backlighting LED, T-1

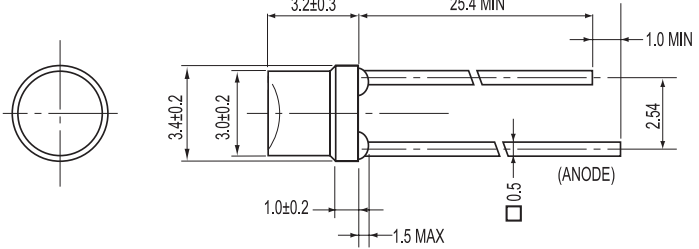
|                                                                                     |           |                                                                                      |     |              |     |     |    |     |     |     |
|-------------------------------------------------------------------------------------|-----------|--------------------------------------------------------------------------------------|-----|--------------|-----|-----|----|-----|-----|-----|
|  |           |  |     |              |     |     |    |     |     |     |
| 484GT                                                                               | GaP       | Green                                                                                | 570 | Color Trans. | 2.1 | 2.4 | 10 | 2.5 | 4.0 | 160 |
| 484YT                                                                               | GaAsP/GaP | Yellow                                                                               | 590 |              | 2.0 | 2.4 |    | 1.0 | 2.0 |     |
| 484ET                                                                               | GaAsP/GaP | Orange                                                                               | 625 |              | 2.0 | 2.4 |    | 1.0 | 2.0 |     |
| 484IT                                                                               | GaAsP/GaP | HI-Elf Red                                                                           | 625 |              | 2.0 | 2.4 |    | 1.0 | 2.0 |     |

All dibasic and ternary Leds will be replaced by quaternary Led(AlInGaP) unless specifically required by customer.

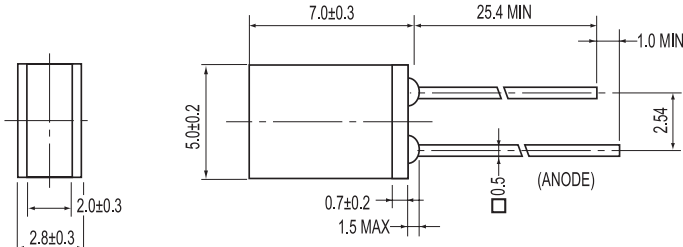
| Part Number<br>EL-xxxx | Chip     |               |                     | Lens Color | V <sub>F</sub> (V) at I <sub>F</sub> = 20mA |      | I <sub>v</sub> (mcd)   |      |      | Viewing Angle<br>2θ 1/2 |
|------------------------|----------|---------------|---------------------|------------|---------------------------------------------|------|------------------------|------|------|-------------------------|
|                        | Material | Emitted Color | λ <sub>D</sub> (nm) |            | Typ.                                        | Max. | at I <sub>F</sub> = mA | Min. | Typ. |                         |

### 3mm Backlighting With Small Flange LED, T-1

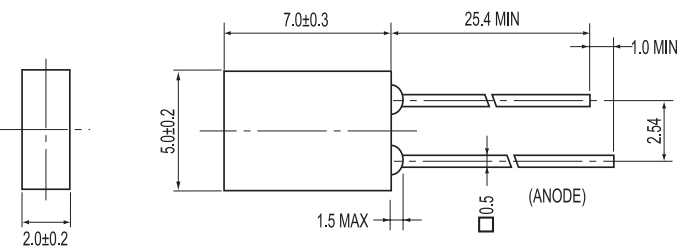
UNIT: mm

|                                                                                   |           |                                                                                    |     |              |     |     |    |     |     |     |
|-----------------------------------------------------------------------------------|-----------|------------------------------------------------------------------------------------|-----|--------------|-----|-----|----|-----|-----|-----|
|  |           |  |     |              |     |     |    |     |     |     |
| 494GT                                                                             | GaP       | Green                                                                              | 570 | Color Trans. | 2.0 | 2.4 | 10 | 1.6 | 3.2 | 110 |
| 494YT                                                                             | GaAsP/GaP | Yellow                                                                             | 590 |              | 2.0 | 2.4 |    | 0.4 | 2.0 |     |
| 494IT                                                                             | GaAsP/GaP | HI-Elf Red                                                                         | 625 |              | 2.0 | 2.4 |    | 0.5 | 2.0 |     |

### 2x5mm Rectangular with Flange LED

|                                                                                    |           |                                                                                     |     |             |     |     |    |      |      |     |
|------------------------------------------------------------------------------------|-----------|-------------------------------------------------------------------------------------|-----|-------------|-----|-----|----|------|------|-----|
|  |           |  |     |             |     |     |    |      |      |     |
| 514GD                                                                              | GaP       | Green                                                                               | 570 | Color Diff. | 2.1 | 2.4 | 10 | 1.0  | 1.6  | 180 |
| 514YD                                                                              | GaAsP/GaP | Yellow                                                                              | 590 |             | 2.0 | 2.4 |    | 0.5  | 2.3  |     |
| 514ID                                                                              | GaAsP/GaP | HI-Elf Red                                                                          | 625 |             | 2.0 | 2.4 |    | 0.63 | 1.25 |     |
| 514HD*                                                                             | GaP       | Red                                                                                 | 650 |             | 2.0 | 2.4 |    | 0.16 | 0.25 | 170 |

### 2x5mm Rectangular Flangeless LED

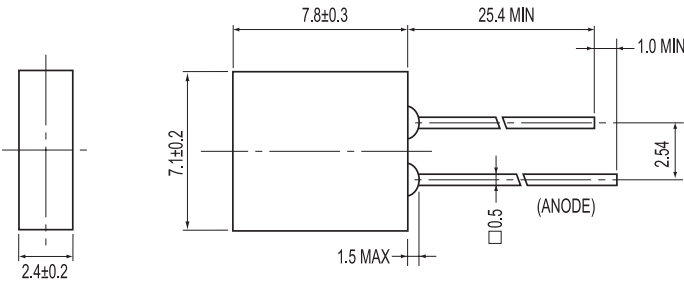
|                                                                                     |           |                                                                                      |     |             |     |     |    |     |     |     |
|-------------------------------------------------------------------------------------|-----------|--------------------------------------------------------------------------------------|-----|-------------|-----|-----|----|-----|-----|-----|
|  |           |  |     |             |     |     |    |     |     |     |
| 523GD                                                                               | GaP       | Green                                                                                | 570 | Color Diff. | 2.0 | 2.4 | 10 | 1.6 | 2.5 | 140 |
| 523YD                                                                               | GaAsP/GaP | Yellow                                                                               | 590 |             | 2.0 | 2.4 |    | 1.0 | 1.6 | 150 |
| 523ID                                                                               | GaAsP/GaP | HI-Elf Red                                                                           | 625 |             | 2.0 | 2.4 |    | 1.0 | 1.6 | 150 |
| 523HD*                                                                              | GaP       | Red                                                                                  | 650 |             | 2.0 | 2.4 |    | 0.2 | 0.4 | 140 |

All dibasic and ternary Leds will be replaced by quaternary Led(AlInGaP) unless specifically required by customer.

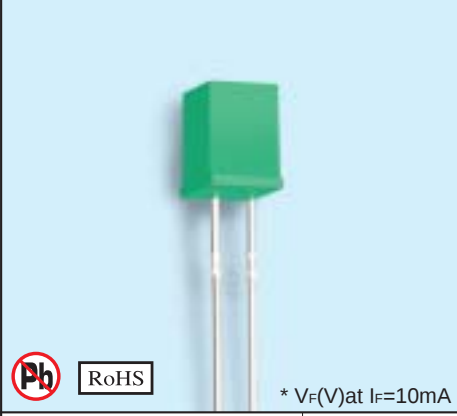
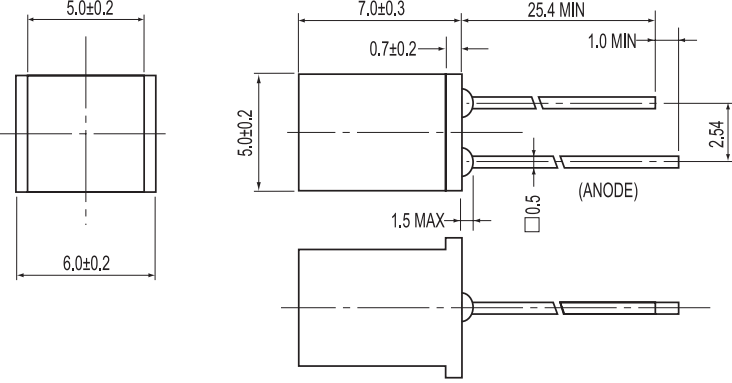
| Part Number<br>EL-xxxx | Chip     |               |                     | Lens Color | V <sub>F</sub> (V) at I <sub>F</sub> = 20mA |      | I <sub>v</sub> (mcd)   |      |      | Viewing Angle<br>2θ 1/2 |
|------------------------|----------|---------------|---------------------|------------|---------------------------------------------|------|------------------------|------|------|-------------------------|
|                        | Material | Emitted Color | λ <sub>D</sub> (nm) |            | Typ.                                        | Max. | at I <sub>F</sub> = mA | Min. | Typ. |                         |

### 2.4x7.1mm Rectangular Flangeless LED

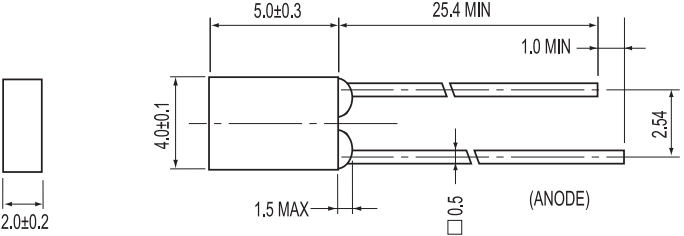
UNIT: mm

|                                                                                   |           |                                                                                    |     |             |     |     |    |      |      |     |
|-----------------------------------------------------------------------------------|-----------|------------------------------------------------------------------------------------|-----|-------------|-----|-----|----|------|------|-----|
|  |           |  |     |             |     |     |    |      |      |     |
| 573GD                                                                             | GaP       | Green                                                                              | 570 | Color Diff. | 2.0 | 2.4 | 10 | 1.0  | 2.0  | 180 |
| 573YD                                                                             | GaAsP/GaP | Yellow                                                                             | 590 |             | 2.0 | 2.4 |    | 1.0  | 2.5  |     |
| 573ID                                                                             | GaAsP/GaP | Hi-Elf Red                                                                         | 625 |             | 2.0 | 2.4 |    | 0.63 | 1.25 |     |
| 573ED                                                                             | GaAsP/GaP | Orange                                                                             | 625 |             | 2.0 | 2.4 |    | 0.63 | 1.25 |     |

### 5x5mm Square Type LED

|                                                                                    |           |                                                                                     |     |             |     |     |    |      |      |     |
|------------------------------------------------------------------------------------|-----------|-------------------------------------------------------------------------------------|-----|-------------|-----|-----|----|------|------|-----|
|  |           |  |     |             |     |     |    |      |      |     |
| 583GD                                                                              | GaP       | Green                                                                               | 570 | Color Diff. | 2.1 | 2.4 | 10 | 1.6  | 2.5  | 180 |
| 583YD                                                                              | GaAsP/GaP | Yellow                                                                              | 590 |             | 2.0 | 2.4 |    | 0.63 | 1.25 |     |
| 583ID                                                                              | GaAsP/GaP | Hi-Elf Red                                                                          | 625 |             | 2.0 | 2.4 |    | 0.63 | 1.25 |     |
| 583HD*                                                                             | GaP       | Red                                                                                 | 650 |             | 2.0 | 2.4 |    | 0.5  | 0.8  |     |

### 2.0x4.0mm Rectangular LED

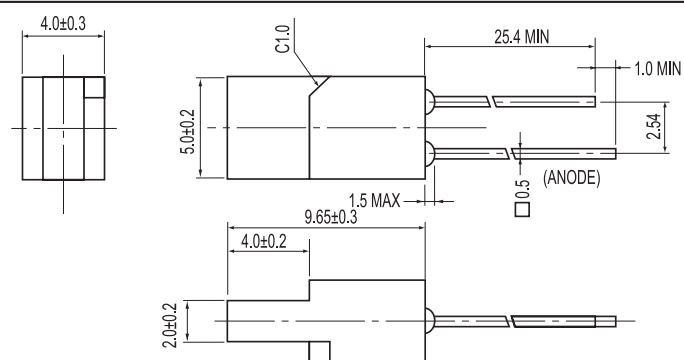
|                                                                                     |           |                                                                                      |     |             |     |     |    |      |      |     |
|-------------------------------------------------------------------------------------|-----------|--------------------------------------------------------------------------------------|-----|-------------|-----|-----|----|------|------|-----|
|  |           |  |     |             |     |     |    |      |      |     |
| 594GD                                                                               | GaP       | Green                                                                                | 570 | Color Diff. | 2.1 | 2.4 | 10 | 0.5  | 2.5  | 180 |
| 594YD                                                                               | GaAsP/GaP | Yellow                                                                               | 590 |             | 2.0 | 2.4 |    | 0.63 | 1.25 |     |
| 594HD*                                                                              | GaAsP/GaP | Red                                                                                  | 650 |             | 2.0 | 2.4 |    | 0.2  | 0.4  |     |

All dibasic and ternary Leds will be replaced by quaternary Led(AlInGaP) unless specifically required by customer.

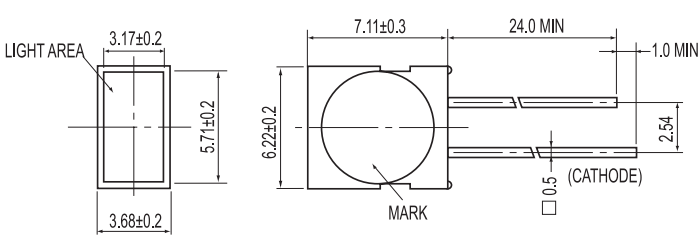
| Part Number<br>EL-xxxx | Chip     |               |                     | Lens Color | V <sub>F</sub> (V) at I <sub>F</sub> = 20mA |      | I <sub>v</sub> (mcd)   |      |      | Viewing Angle<br>2θ 1/2 |
|------------------------|----------|---------------|---------------------|------------|---------------------------------------------|------|------------------------|------|------|-------------------------|
|                        | Material | Emitted Color | λ <sub>D</sub> (nm) |            | Typ.                                        | Max. | at I <sub>F</sub> = mA | Min. | Typ. |                         |

### 2x5mm Rectangular Type LED

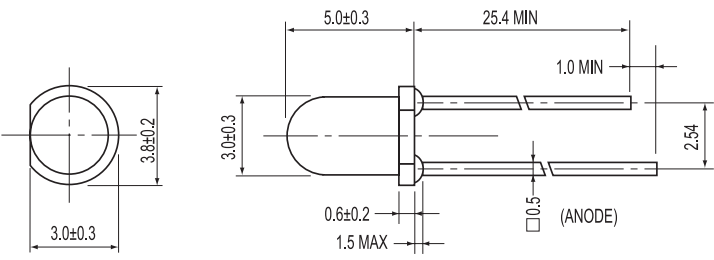
UNIT: mm

|                                                                                                                                                      |           |                                                                                    |     |             |     |     |    |      |      |     |
|------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|------------------------------------------------------------------------------------|-----|-------------|-----|-----|----|------|------|-----|
|  <p><b>RoHS</b></p> <p>* V<sub>F</sub>(V) at I<sub>F</sub>=10mA</p> |           |  |     |             |     |     |    |      |      |     |
| 743GD                                                                                                                                                | GaP       | Green                                                                              | 570 | Color Diff. | 2.1 | 2.4 | 10 | 1.0  | 2.0  | 160 |
| 743YD                                                                                                                                                | GaAsP/GaP | Yellow                                                                             | 590 |             | 2.0 | 2.4 |    | 0.25 | 0.63 |     |
| 743ID                                                                                                                                                | GaAsP/GaP | HI-Elf Red                                                                         | 625 |             | 2.0 | 2.4 |    | 0.25 | 0.63 |     |
| 743HD*                                                                                                                                               | GaP       | Red                                                                                | 650 |             | 2.0 | 2.4 |    | 0.3  | 0.7  |     |

### 3.8x6.3mm Rectangular Legend with White Reflector LED

|                                                                                                       |           |                                                                                     |     |             |     |     |    |     |     |     |
|-------------------------------------------------------------------------------------------------------|-----------|-------------------------------------------------------------------------------------|-----|-------------|-----|-----|----|-----|-----|-----|
|  <p><b>RoHS</b></p> |           |  |     |             |     |     |    |     |     |     |
| 1003GD                                                                                                | GaP       | Green                                                                               | 570 | Color Diff. | 2.1 | 2.4 | 10 | 1.0 | 4.0 | 100 |
| 1003YD                                                                                                | GaAsP/GaP | Yellow                                                                              | 590 |             | 2.0 | 2.4 |    | 1.0 | 4.0 |     |
| 1003ID                                                                                                | GaAsP/GaP | HI-Elf Red                                                                          | 625 |             | 2.0 | 2.4 |    | 1.0 | 4.0 |     |

### 3mm Round High Efficiency LED, T-1

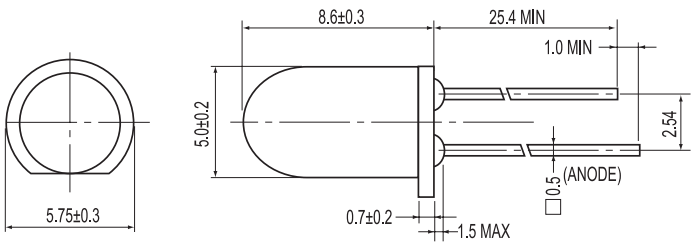
|                                                                                                                                                        |           |                                                                                      |     |              |     |     |    |      |     |    |
|--------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|--------------------------------------------------------------------------------------|-----|--------------|-----|-----|----|------|-----|----|
|  <p><b>RoHS</b></p> <p>* V<sub>F</sub>(V) at I<sub>F</sub>=10mA</p> |           |  |     |              |     |     |    |      |     |    |
| 1254GD                                                                                                                                                 | GaP       | Green                                                                                | 570 | Color Diff.  | 2.1 | 2.4 | 10 | 10   | 16  | 40 |
| 1254YD                                                                                                                                                 | GaAsP/GaP | Yellow                                                                               | 590 |              | 2.0 | 2.4 |    | 10   | 16  |    |
| 1254HD*                                                                                                                                                | GaP       | Red                                                                                  | 650 |              | 2.0 | 2.4 |    | 0.63 | 1.6 |    |
| 1254GT                                                                                                                                                 | GaP       | Green                                                                                | 570 | Color Trans. | 2.1 | 2.4 | 10 | 16   | 40  | 30 |
| 1254YT                                                                                                                                                 | GaAsP/GaP | Yellow                                                                               | 590 |              | 2.0 | 2.4 |    | 16   | 25  |    |
| 1254IT                                                                                                                                                 | GaAsP/GaP | HI-Elf Red                                                                           | 625 |              | 2.0 | 2.4 |    | 16   | 25  |    |
| 1254HT*                                                                                                                                                | GaP       | Red                                                                                  | 650 |              | 2.0 | 2.4 |    | 1.6  | 2.5 |    |

All dibasic and ternary Leds will be replaced by quaternary Led(AlInGaP) unless specifically required by customer.

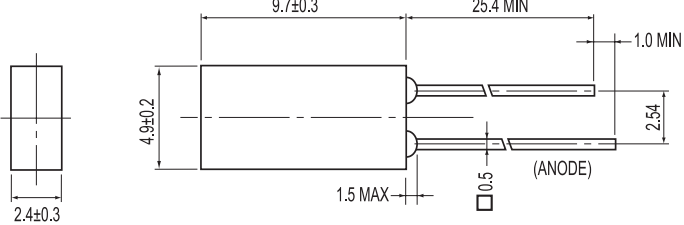
| Part Number<br>EL-xxxx | Chip     |               |                     | Lens Color | V <sub>F</sub> (V) at I <sub>F</sub> = 20mA |      | I <sub>V</sub> (mcd)   |      |      | Viewing Angle<br>2θ 1/2 |
|------------------------|----------|---------------|---------------------|------------|---------------------------------------------|------|------------------------|------|------|-------------------------|
|                        | Material | Emitted Color | λ <sub>D</sub> (nm) |            | Typ.                                        | Max. | at I <sub>F</sub> = mA | Min. | Typ. |                         |

5mm Round High Efficiency LED, T-1 3/4

UNIT: mm

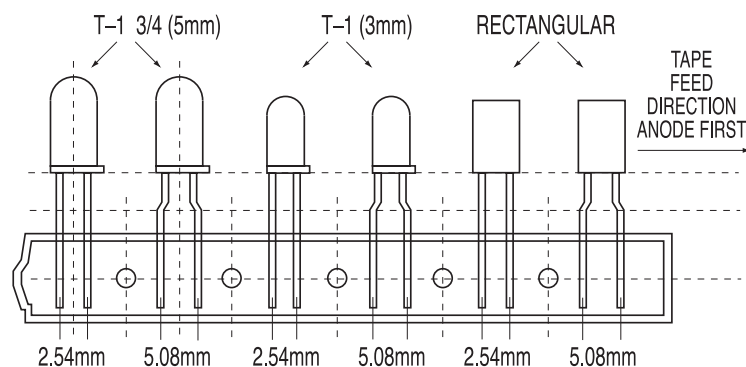
|                                                                                                                                                                                                                                                                                                         |           |                                                                                    |     |              |     |     |    |     |     |    |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|------------------------------------------------------------------------------------|-----|--------------|-----|-----|----|-----|-----|----|
| <br> <br>* V <sub>F</sub> (V)at I <sub>F</sub> =10mA |           |  |     |              |     |     |    |     |     |    |
| 1383GD                                                                                                                                                                                                                                                                                                  | GaP       | Green                                                                              | 570 | Color Diff.  | 2.1 | 2.4 | 10 | 25  | 40  | 40 |
| 1383YD                                                                                                                                                                                                                                                                                                  | GaAsP/GaP | Yellow                                                                             | 590 |              | 2.0 | 2.4 |    | 25  | 50  |    |
| 1383ID                                                                                                                                                                                                                                                                                                  | GaAsP/GaP | HI-Elf Red                                                                         | 625 |              | 2.0 | 2.4 |    | 25  | 40  |    |
| 1383ED                                                                                                                                                                                                                                                                                                  | GaAsP/GaP | Orange                                                                             | 625 |              | 2.0 | 2.4 |    | 25  | 40  |    |
| 1383HD*                                                                                                                                                                                                                                                                                                 | GaP       | Red                                                                                | 650 | Color Trans. | 2.0 | 2.4 | 10 | 2.0 | 4.0 | 20 |
| 1383GT                                                                                                                                                                                                                                                                                                  | GaP       | Green                                                                              | 570 |              | 2.0 | 2.4 |    | 63  | 100 |    |
| 1383YT                                                                                                                                                                                                                                                                                                  | GaAsP/GaP | Yellow                                                                             | 590 |              | 2.0 | 2.4 |    | 40  | 80  |    |
| 1383IT                                                                                                                                                                                                                                                                                                  | GaAsP/GaP | HI-Elf Red                                                                         | 625 |              | 2.0 | 2.4 |    | 40  | 63  |    |

2.4x5mm Rectangular LED

|                                                                                                                                                                                                                                                                                                               |           |                                                                                      |     |             |     |     |    |      |     |     |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|--------------------------------------------------------------------------------------|-----|-------------|-----|-----|----|------|-----|-----|
| <br> <br>* V <sub>F</sub> (V)at I <sub>F</sub> =10mA |           |  |     |             |     |     |    |      |     |     |
| 1533GD                                                                                                                                                                                                                                                                                                        | GaP       | Green                                                                                | 570 | Color Diff. | 2.1 | 2.4 | 10 | 0.63 | 1.8 | 130 |
| 1533YD                                                                                                                                                                                                                                                                                                        | GaAsP/GaP | Yellow                                                                               | 590 |             | 2.0 | 2.4 |    | 0.63 | 1.8 |     |
| 1533ID                                                                                                                                                                                                                                                                                                        | GaAsP/GaP | HI-Elf Red                                                                           | 625 |             | 2.0 | 2.4 |    | 0.4  | 1.8 |     |
| 1533HD*                                                                                                                                                                                                                                                                                                       | GaP       | Red                                                                                  | 650 |             | 2.0 | 2.4 |    | 0.25 | 0.4 |     |

All dibasic and ternary Leds will be replaced by quaternary Led(AlInGaP) unless specifically required by customer.

## CONFIGURATIONS



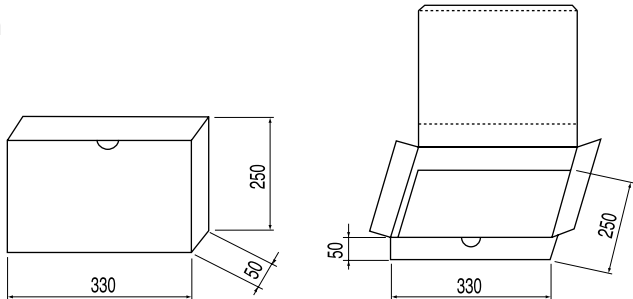
## PACKAGING

|                   | T-1 (3mm) | T-1 3/4 (5mm) | RECTANGULAR |
|-------------------|-----------|---------------|-------------|
| QTY PER AMMO-PACK | 2500 PCS  | 2000 PCS      | 2500 PCS    |
| QTY PER REEL      | 2000 PCS  | 1000 PCS      | 2000 PCS    |

|                   | QTY PER INNER BOX | QTY PER CARTON |
|-------------------|-------------------|----------------|
| QTY PER AMMO-PACK | 1 REELS           | 10 INNER BOXES |
| QTY PER REEL      | 2 REELS           | 5 INNER BOXES  |

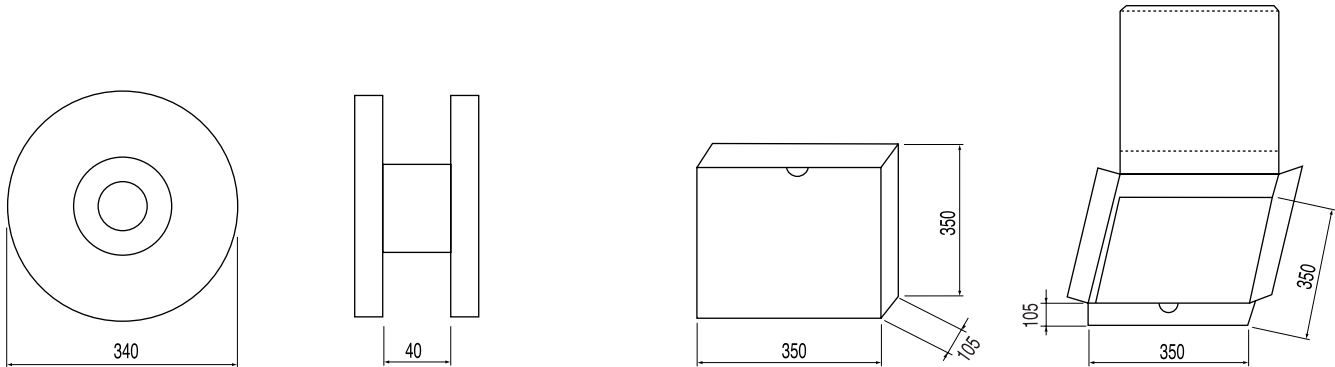
### INNER BOX for AMMO-PACK

DIMENSIONS : 330x250x50mm, ±5mm



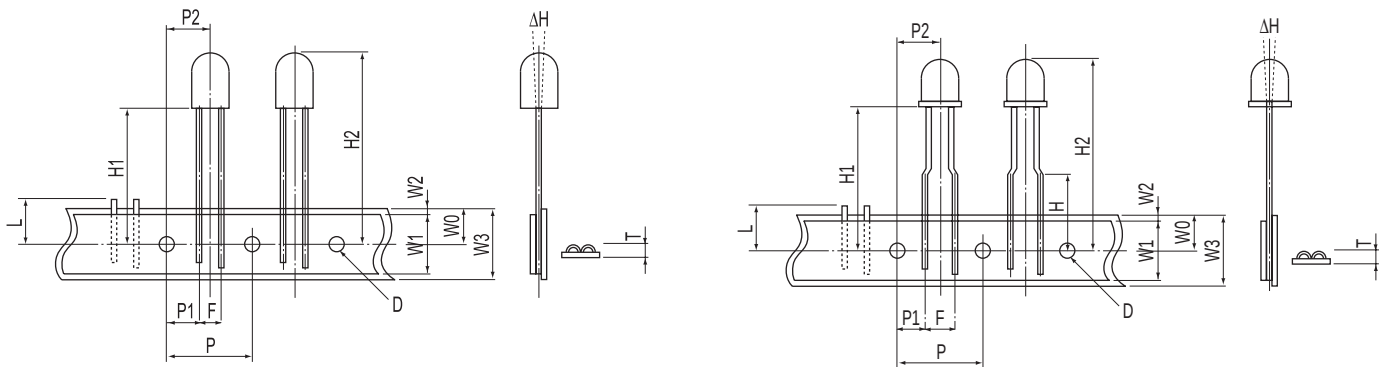
### INNER BOX for REEL

A. DIMENSIONS : 340x40mm B. DIMENSIONS : 350x350x105mm, ±5mm



## PACKAGE DIMENSIONS & TOLERANCES

TR1 TR2



UNIT: mm

|     | TR1      | TR2  | TOLERANCES                                                               |
|-----|----------|------|--------------------------------------------------------------------------|
| D   | 4.0      |      | ±0.2                                                                     |
| F   | 2.54     | 5.08 | ±0.3(2.54) / $\begin{smallmatrix} +0.8 \\ -0.2 \end{smallmatrix}$ (5.08) |
| H   | 16       |      | ±1                                                                       |
| Δ H | 2.0 Max  |      |                                                                          |
| L   | 11       |      |                                                                          |
| P   | 12.7     |      | ±0.3                                                                     |
| P1  | 5.1      | 3.81 | ±0.7                                                                     |
| P2  | 6.3      |      | ±1.2                                                                     |
| T   | 1.42 Max |      |                                                                          |
| W0  | 9.0      |      | ±0.5                                                                     |
| W1  | 13       |      | ±0.5                                                                     |
| W2  | 4.0 Max  |      |                                                                          |
| W3  | 18       |      | ±0.75                                                                    |

NOTE:

H1 & H2 WILL VARY WITH DIFFERENT PACKAGES

Example: 333ID/TR1(A)

333ID/TR1(R)

"A" indicates for AMMO-PACK

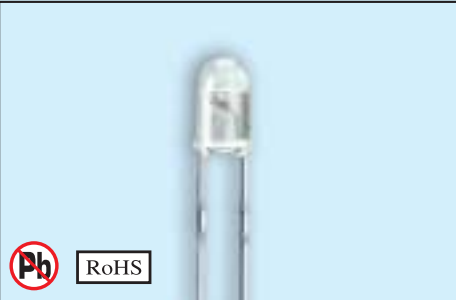
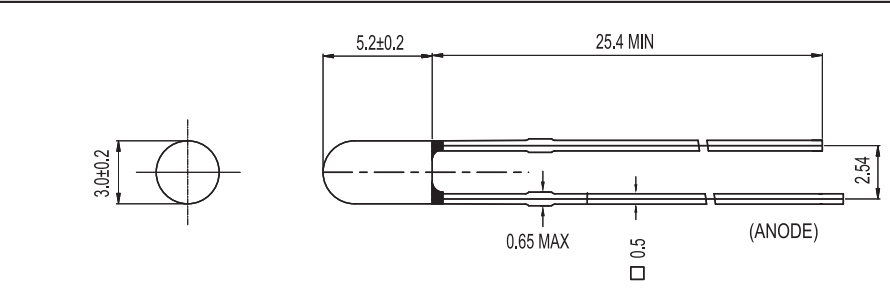
"R" indicates for REEL

# EVERLIGHT SUPER BRIGHT WHITE LED LAMP

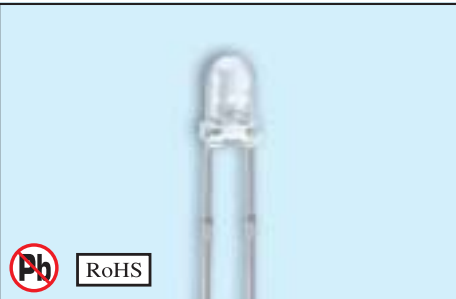
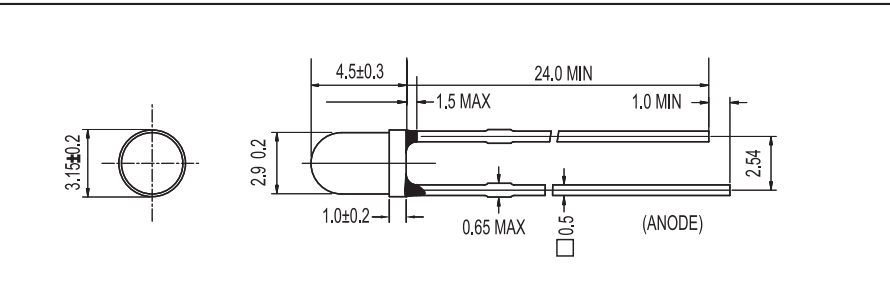
| Part Number | Chip     |                                  | Lens Color | V <sub>F</sub> (V) at I <sub>F</sub> = 20mA |      | I <sub>v</sub> (mcd)   |      |      | Viewing Angle 2θ 1/2 |
|-------------|----------|----------------------------------|------------|---------------------------------------------|------|------------------------|------|------|----------------------|
|             | Material | Chromaticity Coordinate Typ(x,y) |            | Typ.                                        | Max. | at I <sub>F</sub> = mA | Min. | Typ. |                      |

3mm Round, T-1

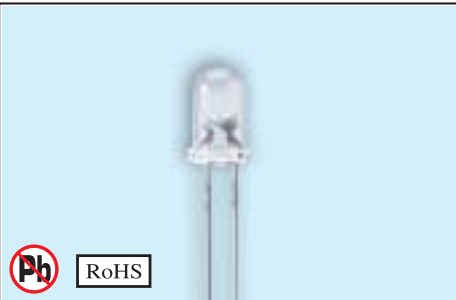
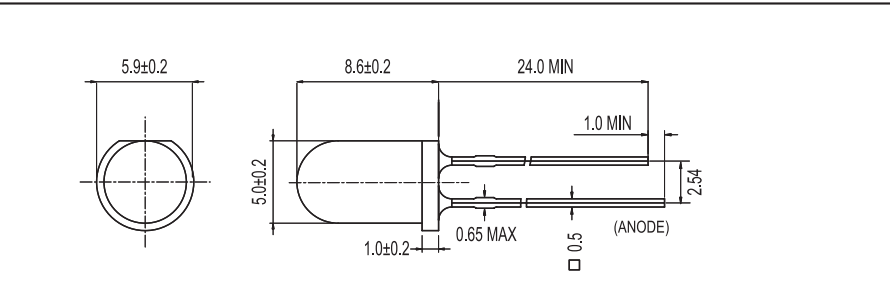
UNIT: mm

|                                                                                   |       |                                                                                    |        |             |     |     |    |      |      |    |
|-----------------------------------------------------------------------------------|-------|------------------------------------------------------------------------------------|--------|-------------|-----|-----|----|------|------|----|
|  |       |  |        |             |     |     |    |      |      |    |
| 234-15UWC/H0/S400-X9                                                              | InGaN | x=0.29                                                                             | y=0.28 | Water Clear | 3.5 | 4.0 | 20 | 1425 | 2250 | 50 |

3mm Round, T-1

|                                                                                    |       |                                                                                     |        |             |     |     |    |      |      |    |
|------------------------------------------------------------------------------------|-------|-------------------------------------------------------------------------------------|--------|-------------|-----|-----|----|------|------|----|
|  |       |  |        |             |     |     |    |      |      |    |
| 264-15UWC/S400-A6                                                                  | InGaN | x=0.29                                                                              | y=0.28 | Water Clear | 3.5 | 4.0 | 20 | 1125 | 1800 | 40 |
| 264-15UWC/S400-X9                                                                  | InGaN | x=0.29                                                                              | y=0.28 |             | 3.5 | 4.0 |    | 1800 | 2300 |    |

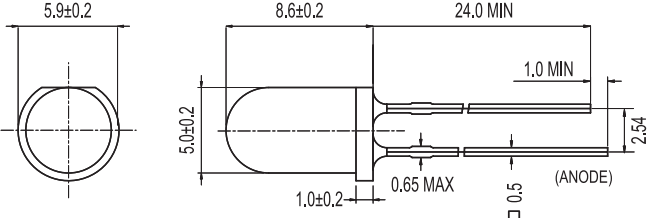
5mm Round, T-1 3/4

|                                                                                     |       |                                                                                      |        |             |     |     |    |      |       |    |
|-------------------------------------------------------------------------------------|-------|--------------------------------------------------------------------------------------|--------|-------------|-----|-----|----|------|-------|----|
|  |       |  |        |             |     |     |    |      |       |    |
| 334-15/W2C1-1SUB                                                                    | InGaN | x=0.29                                                                               | y=0.28 | Water Clear | 3.5 | 4.0 | 20 | 5650 | 8000  | 15 |
| 334-15/W2C1-1UWB                                                                    | InGaN | x=0.29                                                                               | y=0.28 |             | 3.5 | 4.0 |    | 9000 | 13000 |    |
| 334-15/W2C2-1SUB                                                                    | InGaN | x=0.29                                                                               | y=0.28 |             | 3.5 | 4.0 |    | 5650 | 7000  | 20 |
| 334-15/W2C2-1TVB                                                                    | InGaN | x=0.29                                                                               | y=0.28 |             | 3.5 | 4.0 |    | 7150 | 10000 |    |
| 334-15/W2C3-1QSB                                                                    | InGaN | x=0.29                                                                               | y=0.28 |             | 3.5 | 4.0 |    | 3600 | 5000  | 30 |
| 334-15/W2C3-1RTB                                                                    | InGaN | x=0.29                                                                               | y=0.28 |             | 3.5 | 4.0 |    | 4500 | 7500  |    |
| 334-15/W2C5-1MQB                                                                    | InGaN | x=0.29                                                                               | y=0.28 |             | 3.5 | 4.0 |    | 1800 | 3000  | 50 |

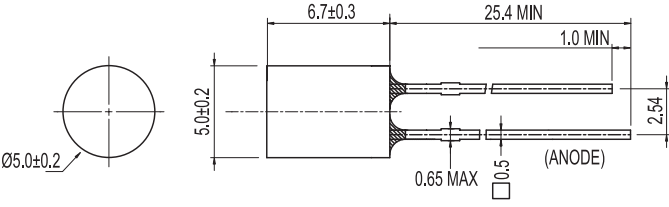
| Part Number | Chip     |                                  | Lens Color | V <sub>F</sub> (V) at I <sub>F</sub> = 20mA |      | I <sub>v</sub> (mcd)   |      |      | Viewing Angle 2θ 1/2 |
|-------------|----------|----------------------------------|------------|---------------------------------------------|------|------------------------|------|------|----------------------|
|             | Material | Chromaticity Coordinate Typ(x,y) |            | Typ.                                        | Max. | at I <sub>F</sub> = mA | Min. | Typ. |                      |

## Warm White Series

UNIT: mm

|                                                                                   |       |                                                                                    |        |             |     |     |    |      |       |    |
|-----------------------------------------------------------------------------------|-------|------------------------------------------------------------------------------------|--------|-------------|-----|-----|----|------|-------|----|
|  |       |  |        |             |     |     |    |      |       |    |
| 334-15/X2C1-1SUB                                                                  | InGaN | x=0.41                                                                             | y=0.39 | Water Clear | 3.5 | 4.0 | 20 | 9000 | 13000 | 15 |
| 334-15/X2C5-1PSB                                                                  | InGaN | x=0.41                                                                             | y=0.39 |             | 3.5 | 4.0 |    | 2850 | 4000  | 50 |

## 5mm Cylindrical Shape

|                                                                                    |       |                                                                                     |        |             |     |     |    |     |     |    |
|------------------------------------------------------------------------------------|-------|-------------------------------------------------------------------------------------|--------|-------------|-----|-----|----|-----|-----|----|
|  |       |  |        |             |     |     |    |     |     |    |
| 423-2AUWC/S400-X10                                                                 | InGaN | x=0.29                                                                              | y=0.28 | Water Clear | 3.5 | 4.0 | 20 | 285 | 385 | 95 |

| Part Number<br>EL-xxxx | Chip     |               |                     | Lens Color | V <sub>F</sub> (V) at I <sub>F</sub> = 20mA |      | I <sub>v</sub> (mcd)   |      |      | Viewing Angle<br>2θ 1/2 |
|------------------------|----------|---------------|---------------------|------------|---------------------------------------------|------|------------------------|------|------|-------------------------|
|                        | Material | Emitted Color | λ <sub>D</sub> (nm) |            | Typ.                                        | Max. | at I <sub>F</sub> = mA | Min. | Typ. |                         |

3mm Round, T-1

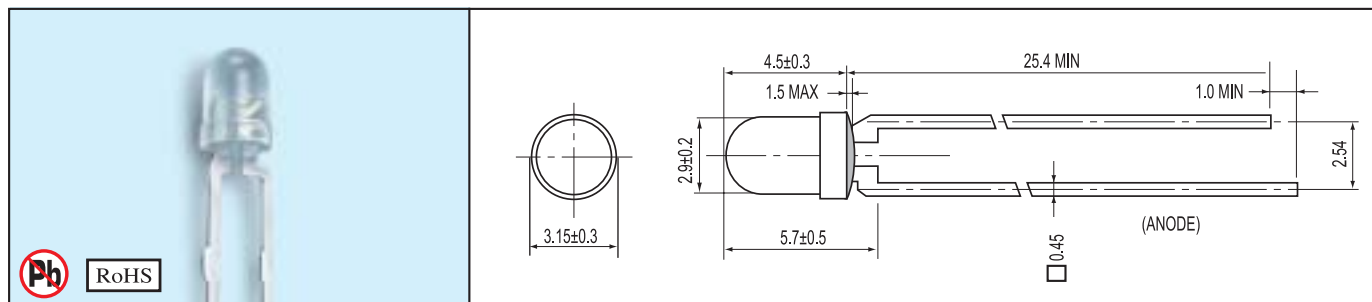
UNIT: mm

|                         |         |                     |     |             |     |     |    |      |      |    |
|-------------------------|---------|---------------------|-----|-------------|-----|-----|----|------|------|----|
|                         |         |                     |     |             |     |     |    |      |      |    |
| 204-10SUBC/C470/S400-A4 | InGaP   | SuperBlue           | 470 | Water Clear | 3.5 | 4.0 | 20 | 400  | 800  | 20 |
| 204-10SUBC/C470/S400-A5 | InGaP   | SuperBlue           | 470 |             | 3.5 | 4.0 |    | 500  | 1000 |    |
| 204-10SUBC/C470/S400-A6 | InGaP   | SuperBlue           | 470 |             | 3.5 | 4.0 |    | 630  | 1250 |    |
| 204-10UBGC/S400-A4      | InGaP   | Bluish Green        | 505 |             | 3.5 | 4.0 |    | 1250 | 2000 |    |
| 204-10UBGC/S400-A5      | InGaP   | Bluish Green        | 505 |             | 3.5 | 4.0 |    | 1600 | 2500 |    |
| 204-10UBGC/S400-A6      | InGaP   | Bluish Green        | 505 |             | 3.5 | 4.0 |    | 2000 | 3200 |    |
| 204-10SUGC/S400-A4      | InGaP   | SuperGreen          | 525 |             | 3.5 | 4.0 |    | 2500 | 3500 |    |
| 204-10SUGC/S400-A5      | InGaP   | SuperGreen          | 525 |             | 3.5 | 4.0 |    | 3200 | 5000 |    |
| 204/Y2C2-ARVB           | AlGaInP | Super Yellow        | 589 |             | 2.0 | 2.6 | 20 | 5650 | 8000 | 30 |
| 204-10UYC/S530-A3       | AlGaInP | Super Yellow        | 589 |             | 2.0 | 2.4 |    | 250  | 400  |    |
| 204-10UYC/S530-A4       | AlGaInP | Super Yellow        | 589 |             | 2.0 | 2.4 |    | 320  | 500  |    |
| 204-10UYC/S530-A5       | AlGaInP | Super Yellow        | 589 |             | 2.0 | 2.4 |    | 400  | 630  |    |
| 204-10UYC/S400-A6       | AlGaInP | Super Yellow        | 589 |             | 2.0 | 2.4 |    | 500  | 800  |    |
| 204-10UYC/S400-A7       | AlGaInP | Super Yellow        | 589 |             | 2.0 | 2.4 |    | 630  | 1000 |    |
| 204-10UYC/S400-A8       | AlGaInP | Super Yellow        | 589 |             | 2.0 | 2.4 |    | 800  | 1250 |    |
| 204-10UYC/S400-A9       | AlGaInP | Super Yellow        | 589 |             | 2.0 | 2.4 |    | 1000 | 1600 |    |
| 204-10USOC/S530-A3      | AlGaInP | Super Sunset Orange | 615 |             | 2.0 | 2.4 |    | 250  | 400  |    |
| 204-10USOC/S530-A4      | AlGaInP | Super Sunset Orange | 615 |             | 2.0 | 2.4 |    | 320  | 500  |    |
| 204-10USOC/S530-A5      | AlGaInP | Super Sunset Orange | 615 |             | 2.0 | 2.4 |    | 400  | 630  |    |
| 204-10USOC/S400-A6      | AlGaInP | Super Sunset Orange | 615 |             | 2.0 | 2.4 |    | 500  | 800  |    |
| 204-10USOC/S400-A7      | AlGaInP | Super Sunset Orange | 615 |             | 2.0 | 2.4 |    | 630  | 1000 |    |
| 204-10USOC/S400-A8      | AlGaInP | Super Sunset Orange | 615 |             | 2.0 | 2.4 |    | 800  | 1250 |    |
| 204-10USOC/S400-A9      | AlGaInP | Super Sunset Orange | 615 |             | 2.0 | 2.4 |    | 1000 | 1600 |    |
| 204/A2C2-APUB           | AlGaInP | Super Sunset Orange | 615 |             | 2.0 | 2.6 |    | 3600 | 6000 | 20 |
| 204-10SURC/S530-A3      | AlGaInP | Hyper Red           | 624 |             | 2.0 | 2.4 |    | 250  | 400  | 30 |
| 204-10SURC/S530-A4      | AlGaInP | Hyper Red           | 624 |             | 2.0 | 2.4 |    | 320  | 500  |    |
| 204-10SURC/S530-A5      | AlGaInP | Hyper Red           | 624 |             | 2.0 | 2.4 |    | 400  | 630  |    |
| 204-10SURC/S400-A6      | AlGaInP | Hyper Red           | 624 |             | 2.0 | 2.4 |    | 500  | 800  |    |
| 204-10SURC/S400-A7      | AlGaInP | Hyper Red           | 624 |             | 2.0 | 2.4 |    | 630  | 1000 |    |
| 204-10SURC/S400-A8      | AlGaInP | Hyper Red           | 624 |             | 2.0 | 2.4 |    | 800  | 1250 |    |

| Part Number<br>EL-xxxx | Chip     |               |                     | Lens Color | V <sub>F</sub> (V) at I <sub>F</sub> = 20mA |      | I <sub>v</sub> (mcd)   |      |      | Viewing Angle<br>2θ 1/2 |
|------------------------|----------|---------------|---------------------|------------|---------------------------------------------|------|------------------------|------|------|-------------------------|
|                        | Material | Emitted Color | λ <sub>D</sub> (nm) |            | Typ.                                        | Max. | at I <sub>F</sub> = mA | Min. | Typ. |                         |

3mm Round, T-1

UNIT: mm



|                        |         |                     |     |             |     |     |    |      |      |    |
|------------------------|---------|---------------------|-----|-------------|-----|-----|----|------|------|----|
| 264-7SUBC/C470/S400-A4 | InGaP   | SuperBlue           | 470 | Water Clear | 3.5 | 4.0 | 20 | 320  | 500  | 25 |
| 264-7SUBC/C470/S400-A5 | InGaP   | SuperBlue           | 470 |             | 3.5 | 4.0 |    | 400  | 630  |    |
| 264-7SUBC/C470/S400-A6 | InGaP   | SuperBlue           | 470 |             | 3.5 | 4.0 |    | 500  | 800  |    |
| 264-7UBGC/S400-A4      | InGaP   | Bluish Green        | 505 |             | 3.5 | 4.0 |    | 1000 | 1600 |    |
| 264-7UBGC/S400-A5      | InGaP   | Bluish Green        | 505 |             | 3.5 | 4.0 |    | 1250 | 2000 |    |
| 264-7UBGC/S400-A6      | InGaP   | Bluish Green        | 505 |             | 3.5 | 4.0 |    | 1600 | 2500 |    |
| 264-7SUGC/S400-A4      | InGaP   | SuperGreen          | 525 |             | 3.5 | 4.0 |    | 1600 | 2500 |    |
| 264-7SUGC/S400-A5      | InGaP   | SuperGreen          | 525 |             | 3.5 | 4.0 |    | 2000 | 3200 |    |
| 264-7UYC/S530-A3       | AlGaInP | Super Yellow        | 589 |             | 2.0 | 2.4 | 20 | 125  | 200  | 40 |
| 264-7UYC/S530-A4       | AlGaInP | Super Yellow        | 589 |             | 2.0 | 2.4 |    | 160  | 250  |    |
| 264-7UYC/S530-A5       | AlGaInP | Super Yellow        | 589 |             | 2.0 | 2.4 |    | 200  | 320  |    |
| 264-7UYC/S400-A6       | AlGaInP | Super Yellow        | 589 |             | 2.0 | 2.4 |    | 250  | 400  |    |
| 264-7UYC/S400-A7       | AlGaInP | Super Yellow        | 589 |             | 2.0 | 2.4 |    | 320  | 500  |    |
| 264-7UYC/S400-A8       | AlGaInP | Super Yellow        | 589 |             | 2.0 | 2.4 |    | 400  | 630  |    |
| 264-7UYC/S400-A9       | AlGaInP | Super Yellow        | 589 |             | 2.0 | 2.4 |    | 500  | 800  |    |
| 264-7USOC/S530-A3      | AlGaInP | Super Sunset Orange | 615 |             | 2.0 | 2.4 |    | 125  | 200  |    |
| 264-7USOC/S530-A4      | AlGaInP | Super Sunset Orange | 615 |             | 2.0 | 2.4 |    | 160  | 250  |    |
| 264-7USOC/S530-A5      | AlGaInP | Super Sunset Orange | 615 |             | 2.0 | 2.4 |    | 200  | 320  |    |
| 264-7USOC/S400-A6      | AlGaInP | Super Sunset Orange | 615 |             | 2.0 | 2.4 |    | 250  | 400  |    |
| 264-7USOC/S400-A7      | AlGaInP | Super Sunset Orange | 615 |             | 2.0 | 2.4 |    | 320  | 500  |    |
| 264-7USOC/S400-A8      | AlGaInP | Super Sunset Orange | 615 |             | 2.0 | 2.4 |    | 400  | 630  |    |
| 264-7USOC/S400-A9      | AlGaInP | Super Sunset Orange | 615 |             | 2.0 | 2.4 |    | 500  | 800  |    |
| 264-7SURC/S530-A3      | AlGaInP | Hyper Red           | 624 |             | 2.0 | 2.4 |    | 125  | 200  |    |
| 264-7SURC/S530-A4      | AlGaInP | Hyper Red           | 624 |             | 2.0 | 2.4 |    | 160  | 250  |    |
| 264-7SURC/S530-A5      | AlGaInP | Hyper Red           | 624 |             | 2.0 | 2.4 |    | 200  | 320  |    |
| 264-7SURC/S400-A6      | AlGaInP | Hyper Red           | 624 |             | 2.0 | 2.4 |    | 250  | 400  |    |
| 264-7SURC/S400-A7      | AlGaInP | Hyper Red           | 624 |             | 2.0 | 2.4 |    | 320  | 500  |    |
| 264-7SURC/S400-A8      | AlGaInP | Hyper Red           | 624 |             | 2.0 | 2.4 |    | 400  | 630  |    |

| Part Number<br>EL-xxxx | Chip     |               |                     | Lens Color | V <sub>F</sub> (V) at I <sub>F</sub> = 20mA |      | I <sub>v</sub> (mcd)   |      |      | Viewing Angle<br>2θ 1/2 |
|------------------------|----------|---------------|---------------------|------------|---------------------------------------------|------|------------------------|------|------|-------------------------|
|                        | Material | Emitted Color | λ <sub>D</sub> (nm) |            | Typ.                                        | Max. | at I <sub>F</sub> = mA | Min. | Typ. |                         |

3mm Round, T-1

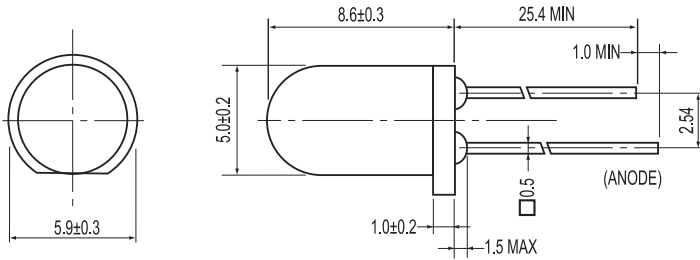
UNIT: mm

|                     |         |                     |     |             |     |     |    |     |      |    |
|---------------------|---------|---------------------|-----|-------------|-----|-----|----|-----|------|----|
|                     |         |                     |     |             |     |     |    |     |      |    |
| 3294-15SUBC/S400-A4 | InGaN   | SuperBlue           | 470 | Water Clear | 3.5 | 4.0 | 20 | 125 | 200  | 45 |
| 3294-15SUBC/S400-A5 | InGaN   | SuperBlue           | 470 |             | 3.5 | 4.0 |    | 160 | 250  |    |
| 3294-15SUBC/S400-A6 | InGaN   | SuperBlue           | 470 |             | 3.5 | 4.0 |    | 200 | 320  |    |
| 3294-15SUBC/S400-A7 | InGaN   | SuperBlue           | 470 |             | 3.5 | 4.0 |    | 250 | 400  |    |
| 3294-15UBGC/S400-A4 | InGaN   | Bluish Green        | 505 |             | 3.5 | 4.0 |    | 500 | 800  |    |
| 3294-15UBGC/S400-A5 | InGaN   | Bluish Green        | 505 |             | 3.5 | 4.0 |    | 630 | 1000 |    |
| 3294-15UBGC/S400-A6 | InGaN   | Bluish Green        | 505 |             | 3.5 | 4.0 |    | 800 | 1250 |    |
| 3294-15SUGC/S400-A4 | InGaN   | SuperGreen          | 525 |             | 3.5 | 4.0 |    | 500 | 800  |    |
| 3294-15SUGC/S400-A5 | InGaN   | SuperGreen          | 525 |             | 3.5 | 4.0 |    | 630 | 1000 |    |
| 3294-15SUGC/S400-A6 | InGaN   | SuperGreen          | 525 |             | 3.5 | 4.0 |    | 800 | 1250 |    |
| 3294-15UYC/S530-A3  | AlGaInP | Super Yellow        | 589 |             | 2.0 | 2.4 |    | 40  | 63   | 90 |
| 3294-15UYC/S530-A4  | AlGaInP | Super Yellow        | 589 |             | 2.0 | 2.4 |    | 50  | 80   |    |
| 3294-15UYC/S530-A5  | AlGaInP | Super Yellow        | 589 |             | 2.0 | 2.4 |    | 63  | 100  |    |
| 3294-15UYC/S400-A6  | AlGaInP | Super Yellow        | 589 |             | 2.0 | 2.4 |    | 80  | 125  |    |
| 3294-15UYC/S400-A7  | AlGaInP | Super Yellow        | 589 |             | 2.0 | 2.4 |    | 100 | 160  |    |
| 3294-15UYC/S400-A8  | AlGaInP | Super Yellow        | 589 |             | 2.0 | 2.4 |    | 125 | 200  |    |
| 3294-15UYC/S400-A9  | AlGaInP | Super Yellow        | 589 |             | 2.0 | 2.4 |    | 160 | 250  |    |
| 3294-15USOC/S530-A3 | AlGaInP | Super Sunset Orange | 615 |             | 2.0 | 2.4 |    | 40  | 63   |    |
| 3294-15USOC/S530-A4 | AlGaInP | Super Sunset Orange | 615 |             | 2.0 | 2.4 |    | 50  | 80   |    |
| 3294-15USOC/S530-A5 | AlGaInP | Super Sunset Orange | 615 |             | 2.0 | 2.4 |    | 63  | 100  |    |
| 3294-15USOC/S400-A6 | AlGaInP | Super Sunset Orange | 615 |             | 2.0 | 2.4 |    | 80  | 125  |    |
| 3294-15USOC/S400-A7 | AlGaInP | Super Sunset Orange | 615 |             | 2.0 | 2.4 |    | 100 | 160  |    |
| 3294-15USOC/S400-A8 | AlGaInP | Super Sunset Orange | 615 |             | 2.0 | 2.4 |    | 125 | 200  |    |
| 3294-15USOC/S400-A9 | AlGaInP | Super Sunset Orange | 615 |             | 2.0 | 2.4 |    | 160 | 250  |    |
| 3294-15SURC/S530-A3 | AlGaInP | Hyper Red           | 624 |             | 2.0 | 2.4 |    | 40  | 63   |    |
| 3294-15SURC/S530-A4 | AlGaInP | Hyper Red           | 624 |             | 2.0 | 2.4 |    | 50  | 80   |    |
| 3294-15SURC/S530-A5 | AlGaInP | Hyper Red           | 624 |             | 2.0 | 2.4 |    | 63  | 100  |    |
| 3294-15SURC/S400-A6 | AlGaInP | Hyper Red           | 624 |             | 2.0 | 2.4 |    | 80  | 125  |    |
| 3294-15SURC/S400-A7 | AlGaInP | Hyper Red           | 624 |             | 2.0 | 2.4 |    | 100 | 160  |    |
| 3294-15SURC/S400-A8 | AlGaInP | Hyper Red           | 624 |             | 2.0 | 2.4 |    | 125 | 200  |    |

| Part Number<br>EL-xxxx | Chip     |               |                     | Lens Color | V <sub>F</sub> (V) at I <sub>F</sub> = 20mA |      | I <sub>v</sub> (mcd)   |      |      | Viewing Angle<br>2θ 1/2 |
|------------------------|----------|---------------|---------------------|------------|---------------------------------------------|------|------------------------|------|------|-------------------------|
|                        | Material | Emitted Color | λ <sub>D</sub> (nm) |            | Typ.                                        | Max. | at I <sub>F</sub> = mA | Min. | Typ. |                         |

5mm Round, T-1 3/4

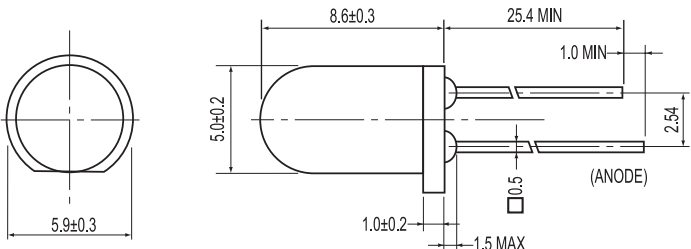
UNIT: mm

|                                                                                   |         |                     |     |                                                                                    |     |     |    |      |       |    |
|-----------------------------------------------------------------------------------|---------|---------------------|-----|------------------------------------------------------------------------------------|-----|-----|----|------|-------|----|
|  |         |                     |     |  |     |     |    |      |       |    |
| 333-2SUBC/C470/S400-A4                                                            | InGaN   | SuperBlue           | 470 | Water Clear                                                                        | 3.5 | 4.0 | 20 | 1000 | 1600  | 10 |
| 333-2SUBC/C470/S400-A5                                                            | InGaN   | SuperBlue           | 470 |                                                                                    | 3.5 | 4.0 |    | 1250 | 2000  |    |
| 333-2SUBC/C470/S400-A6                                                            | InGaN   | SuperBlue           | 470 |                                                                                    | 3.5 | 4.0 |    | 1600 | 2500  |    |
| 333-2UBGC/S400-A4                                                                 | InGaN   | Bluish Green        | 505 |                                                                                    | 3.5 | 4.0 |    | 2500 | 4000  |    |
| 333-2UBGC/S400-A5                                                                 | InGaN   | Bluish Green        | 505 |                                                                                    | 3.5 | 4.0 |    | 3200 | 5000  |    |
| 333-2UBGC/S400-A6                                                                 | InGaN   | Bluish Green        | 505 |                                                                                    | 3.5 | 4.0 |    | 4000 | 6300  |    |
| 333-2SUGC/S400-A4                                                                 | InGaN   | SuperGreen          | 525 |                                                                                    | 3.5 | 4.0 |    | 6300 | 10000 |    |
| 333-2SUGC/S400-A5                                                                 | InGaN   | SuperGreen          | 525 |                                                                                    | 3.5 | 4.0 |    | 8000 | 12500 |    |
| 333-2UYC/S530-A3                                                                  | AlGaInP | Super Yellow        | 589 |                                                                                    | 2.0 | 2.4 |    | 1000 | 1600  |    |
| 333-2UYC/S530-A4                                                                  | AlGaInP | Super Yellow        | 589 |                                                                                    | 2.0 | 2.4 |    | 1250 | 2000  |    |
| 333-2UYC/S530-A5                                                                  | AlGaInP | Super Yellow        | 589 |                                                                                    | 2.0 | 2.4 |    | 1600 | 2500  |    |
| 333-2UYC/S400-A6                                                                  | AlGaInP | Super Yellow        | 589 |                                                                                    | 2.0 | 2.4 |    | 2000 | 3200  |    |
| 333-2UYC/S400-A7                                                                  | AlGaInP | Super Yellow        | 589 |                                                                                    | 2.0 | 2.4 |    | 2500 | 4000  |    |
| 333-2UYC/S400-A8                                                                  | AlGaInP | Super Yellow        | 589 |                                                                                    | 2.0 | 2.4 |    | 3200 | 5000  |    |
| 333-2UYC/S400-A9                                                                  | AlGaInP | Super Yellow        | 589 |                                                                                    | 2.0 | 2.4 |    | 4000 | 6300  |    |
| 333/Y2C0-AUYB                                                                     | AlGaInP | Super Yellow        | 589 |                                                                                    | 2.0 | 2.6 |    | 6300 | 10000 |    |
| 333-2USOC/S530-A3                                                                 | AlGaInP | Super Sunset Orange | 615 |                                                                                    | 2.0 | 2.4 |    | 1000 | 1600  |    |
| 333-2USOC/S530-A4                                                                 | AlGaInP | Super Sunset Orange | 615 |                                                                                    | 2.0 | 2.4 |    | 1250 | 2000  |    |
| 333-2USOC/S530-A5                                                                 | AlGaInP | Super Sunset Orange | 615 |                                                                                    | 2.0 | 2.4 |    | 1600 | 2500  |    |
| 333-2USOC/S400-A6                                                                 | AlGaInP | Super Sunset Orange | 615 |                                                                                    | 2.0 | 2.4 |    | 2000 | 3200  |    |
| 333-2USOC/S400-A7                                                                 | AlGaInP | Super Sunset Orange | 615 |                                                                                    | 2.0 | 2.4 |    | 2500 | 4000  |    |
| 333-2USOC/S400-A8                                                                 | AlGaInP | Super Sunset Orange | 615 |                                                                                    | 2.0 | 2.4 |    | 3200 | 5000  |    |
| 333-2USOC/S400-A9                                                                 | AlGaInP | Super Sunset Orange | 615 |                                                                                    | 2.0 | 2.4 |    | 4000 | 6300  |    |
| 333/A2C1-AUYB                                                                     | AlGaInP | Super Sunset Orange | 615 |                                                                                    | 2.0 | 2.6 |    | 6300 | 10000 |    |
| 333-2SURC/S530-A3                                                                 | AlGaInP | Hyper Red           | 624 |                                                                                    | 2.0 | 2.4 |    | 1000 | 1600  |    |
| 333-2SURC/S530-A4                                                                 | AlGaInP | Hyper Red           | 624 |                                                                                    | 2.0 | 2.4 |    | 1250 | 2000  |    |
| 333-2SURC/S530-A5                                                                 | AlGaInP | Hyper Red           | 624 |                                                                                    | 2.0 | 2.4 |    | 1600 | 2500  |    |
| 333-2SURC/S400-A6                                                                 | AlGaInP | Hyper Red           | 624 |                                                                                    | 2.0 | 2.4 |    | 2000 | 3200  |    |
| 333-2SURC/S400-A7                                                                 | AlGaInP | Hyper Red           | 624 |                                                                                    | 2.0 | 2.4 |    | 2500 | 4000  |    |
| 333-2SURC/S400-A8                                                                 | AlGaInP | Hyper Red           | 624 |                                                                                    | 2.0 | 2.4 |    | 3200 | 5000  |    |
| 333/R2C1-ATWB                                                                     | AlGaInP | Hyper Red           | 624 |                                                                                    | 2.0 | 2.6 |    | 4000 | 6300  |    |
| 333/R2C1-AUXB                                                                     | AlGaInP | Hyper Red           | 624 |                                                                                    | 2.0 | 2.6 |    | 4800 | 8000  |    |

| Part Number<br>EL-xxxx | Chip     |               |                     | Lens Color | V <sub>F</sub> (V) at I <sub>F</sub> = 20mA |      | I <sub>v</sub> (mcd)   |      |      | Viewing Angle<br>2θ 1/2 |
|------------------------|----------|---------------|---------------------|------------|---------------------------------------------|------|------------------------|------|------|-------------------------|
|                        | Material | Emitted Color | λ <sub>D</sub> (nm) |            | Typ.                                        | Max. | at I <sub>F</sub> = mA | Min. | Typ. |                         |

5mm Round, T-1 3/4

UNIT: mm

|                                                                                   |         |                     |     |                                                                                    |     |     |    |      |       |    |
|-----------------------------------------------------------------------------------|---------|---------------------|-----|------------------------------------------------------------------------------------|-----|-----|----|------|-------|----|
|  |         |                     |     |  |     |     |    |      |       |    |
| 333-2SUBC/H3/C470/S400-A4                                                         | InGaN   | SuperBlue           | 470 | Water Clear                                                                        | 3.5 | 4.0 | 20 | 800  | 1250  | 15 |
| 333-2SUBC/H3/C470/S400-A5                                                         | InGaN   | SuperBlue           | 470 |                                                                                    | 3.5 | 4.0 |    | 1000 | 1600  |    |
| 333-2SUBC/H3/C470/S400-A6                                                         | InGaN   | SuperBlue           | 470 |                                                                                    | 3.5 | 4.0 |    | 1250 | 2000  |    |
| 333-2SUBC/H3/C470/S400-X10                                                        | InGaN   | SuperBlue           | 470 |                                                                                    | 3.5 | 4.0 |    | 2250 | 3000  |    |
| 333-2UBGC/H3/S400-A4                                                              | InGaN   | Bluish Green        | 505 |                                                                                    | 3.5 | 4.0 |    | 2000 | 3200  |    |
| 333-2UBGC/H3/S400-A5                                                              | InGaN   | Bluish Green        | 505 |                                                                                    | 3.5 | 4.0 |    | 2500 | 4000  |    |
| 333-2UBGC/H3/S400-A6                                                              | InGaN   | Bluish Green        | 505 |                                                                                    | 3.5 | 4.0 |    | 3200 | 5000  |    |
| 333-2SUGC/H3/S400-A4                                                              | InGaN   | SuperGreen          | 525 |                                                                                    | 3.5 | 4.0 |    | 3200 | 5000  |    |
| 333-2SUGC/H3/S400-A5                                                              | InGaN   | SuperGreen          | 525 |                                                                                    | 3.5 | 4.0 |    | 4000 | 6300  |    |
| 333-2SUGC/H3/S400-X6                                                              | InGaN   | SuperGreen          | 525 |                                                                                    | 3.5 | 4.0 |    | 7150 | 10000 |    |
| 333-2UYC/H3/S530-A3                                                               | AlGaInP | Super Yellow        | 589 |                                                                                    | 2.0 | 2.4 |    | 800  | 1250  |    |
| 333-2UYC/H3/S530-A4                                                               | AlGaInP | Super Yellow        | 589 |                                                                                    | 2.0 | 2.4 |    | 1000 | 1600  |    |
| 333-2UYC/H3/S530-A5                                                               | AlGaInP | Super Yellow        | 589 |                                                                                    | 2.0 | 2.4 |    | 1250 | 2000  |    |
| 333-2UYC/H3/S400-A6                                                               | AlGaInP | Super Yellow        | 589 |                                                                                    | 2.0 | 2.4 |    | 1600 | 2500  |    |
| 333-2UYC/H3/S400-A7                                                               | AlGaInP | Super Yellow        | 589 |                                                                                    | 2.0 | 2.4 |    | 2000 | 3200  |    |
| 333-2UYC/H3/S400-A8                                                               | AlGaInP | Super Yellow        | 589 |                                                                                    | 2.0 | 2.4 |    | 2500 | 4000  |    |
| 333-2UYC/H3/S400-A9                                                               | AlGaInP | Super Yellow        | 589 |                                                                                    | 2.0 | 2.4 |    | 3200 | 5000  |    |
| 333/Y2C1-ASWB                                                                     | AlGaInP | Super Yellow        | 589 |                                                                                    | 2.0 | 2.6 |    | 5000 | 8000  |    |
| 333-2USOC/H3/S530-A3                                                              | AlGaInP | Super Sunset Orange | 615 |                                                                                    | 2.0 | 2.4 |    | 800  | 1250  |    |
| 333-2USOC/H3/S530-A4                                                              | AlGaInP | Super Sunset Orange | 615 |                                                                                    | 2.0 | 2.4 |    | 1000 | 1600  |    |
| 333-2USOC/H3/S530-A5                                                              | AlGaInP | Super Sunset Orange | 615 |                                                                                    | 2.0 | 2.4 |    | 1250 | 2000  |    |
| 333-2USOC/H3/S400-A6                                                              | AlGaInP | Super Sunset Orange | 615 |                                                                                    | 2.0 | 2.4 |    | 1600 | 2500  |    |
| 333-2USOC/H3/S400-A7                                                              | AlGaInP | Super Sunset Orange | 615 |                                                                                    | 2.0 | 2.4 |    | 2000 | 3200  |    |
| 333-2USOC/H3/S400-A8                                                              | AlGaInP | Super Sunset Orange | 615 |                                                                                    | 2.0 | 2.4 |    | 2500 | 4000  |    |
| 333-2USOC/H3/S400-A9                                                              | AlGaInP | Super Sunset Orange | 615 |                                                                                    | 2.0 | 2.4 |    | 3200 | 5000  |    |
| 333/A2C1-ASWB                                                                     | AlGaInP | Super Sunset Orange | 615 |                                                                                    | 2.0 | 2.6 |    | 5000 | 8000  |    |
| 333-2SURC/H3/S530-A3                                                              | AlGaInP | Hyper Red           | 624 |                                                                                    | 2.0 | 2.4 |    | 800  | 1250  |    |
| 333-2SURC/H3/S530-A4                                                              | AlGaInP | Hyper Red           | 624 |                                                                                    | 2.0 | 2.4 |    | 1000 | 1600  |    |
| 333-2SURC/H3/S530-A5                                                              | AlGaInP | Hyper Red           | 624 |                                                                                    | 2.0 | 2.4 |    | 1250 | 2000  |    |
| 333-2SURC/H3/S400-A6                                                              | AlGaInP | Hyper Red           | 624 |                                                                                    | 2.0 | 2.4 |    | 1600 | 2500  |    |
| 333-2SURC/H3/S400-A7                                                              | AlGaInP | Hyper Red           | 624 |                                                                                    | 2.0 | 2.4 |    | 2000 | 3200  |    |
| 333-2SURC/H3/S400-A8                                                              | AlGaInP | Hyper Red           | 624 |                                                                                    | 2.0 | 2.4 |    | 2500 | 4000  |    |
| 333/R2C1-AQUB                                                                     | AlGaInP | Hyper Red           | 624 |                                                                                    | 2.0 | 2.6 |    | 3200 | 5000  |    |
| 333/R2C1-ARVB                                                                     | AlGaInP | Hyper Red           | 624 |                                                                                    | 2.0 | 2.6 |    | 4500 | 7000  |    |

| Part Number<br>EL-xxxx | Chip     |                  |                     | Lens<br>Color | V <sub>F</sub> (V) at I <sub>F</sub> = 20mA |      | I <sub>v</sub> (mcd)      |      |      | Viewing<br>Angle<br>2θ 1/2 |
|------------------------|----------|------------------|---------------------|---------------|---------------------------------------------|------|---------------------------|------|------|----------------------------|
|                        | Material | Emitted<br>Color | λ <sub>D</sub> (nm) |               | Typ.                                        | Max. | at<br>I <sub>F</sub> = mA | Min. | Typ. |                            |

5mm Round, T-1 3/4

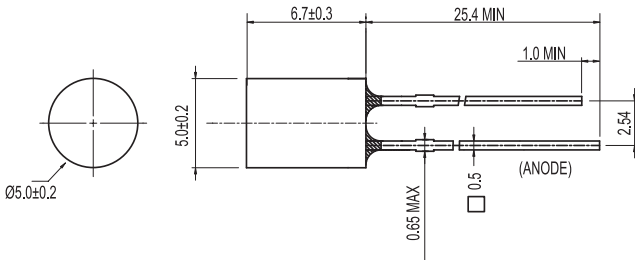
UNIT: mm

|                        |         |                     |     |                |     |     |    |       |       |   |
|------------------------|---------|---------------------|-----|----------------|-----|-----|----|-------|-------|---|
|                        |         |                     |     |                |     |     |    |       |       |   |
| 383-2SUBC/C470/S400-A4 | InGaN   | SuperBlue           | 470 | Water<br>Clear | 3.5 | 4.0 | 20 | 1250  | 2000  | 6 |
| 383-2SUBC/C470/S400-A5 | InGaN   | SuperBlue           | 470 |                | 3.5 | 4.0 |    | 1600  | 2500  |   |
| 383-2SUBC/C470/S400-A6 | InGaN   | SuperBlue           | 470 |                | 3.5 | 4.0 |    | 2000  | 3200  |   |
| 383-2UBGC/S400-A4      | InGaN   | Bluish Green        | 505 |                | 3.5 | 4.0 |    | 3200  | 5000  |   |
| 383-2UBGC/S400-A5      | InGaN   | Bluish Green        | 505 |                | 3.5 | 4.0 |    | 4000  | 6300  |   |
| 383-2UBGC/S400-A6      | InGaN   | Bluish Green        | 505 |                | 3.5 | 4.0 |    | 5000  | 8000  |   |
| 383-2SUGC/S400-A4      | InGaN   | SuperGreen          | 525 |                | 3.5 | 4.0 |    | 2500  | 4000  |   |
| 383-2SUGC/S400-A5      | InGaN   | SuperGreen          | 525 |                | 3.5 | 4.0 |    | 3200  | 5000  |   |
| 383-2UYC/S530-A3       | AlGaInP | Super Yellow        | 589 |                | 2.0 | 2.4 |    | 3200  | 5000  |   |
| 383-2UYC/S530-A4       | AlGaInP | Super Yellow        | 589 |                | 2.0 | 2.4 |    | 4000  | 6300  |   |
| 383-2UYC/S530-A5       | AlGaInP | Super Yellow        | 589 |                | 2.0 | 2.4 |    | 5000  | 8000  |   |
| 383-2UYC/S400-A6       | AlGaInP | Super Yellow        | 589 |                | 2.0 | 2.4 |    | 6300  | 10000 |   |
| 383-2UYC/S400-A7       | AlGaInP | Super Yellow        | 589 |                | 2.0 | 2.4 |    | 8000  | 12500 |   |
| 383-2UYC/S400-A8       | AlGaInP | Super Yellow        | 589 |                | 2.0 | 2.4 |    | 10000 | 16000 |   |
| 383-2UYC/S400-A9       | AlGaInP | Super Yellow        | 589 |                | 2.0 | 2.4 |    | 12500 | 20000 |   |
| 383-2USOC/S530-A3      | AlGaInP | Super Sunset Orange | 615 |                | 2.0 | 2.4 |    | 3200  | 5000  |   |
| 383-2USOC/S530-A4      | AlGaInP | Super Sunset Orange | 615 |                | 2.0 | 2.4 |    | 4000  | 6300  |   |
| 383-2USOC/S530-A5      | AlGaInP | Super Sunset Orange | 615 |                | 2.0 | 2.4 |    | 5000  | 8000  |   |
| 383-2USOC/S400-A6      | AlGaInP | Super Sunset Orange | 615 |                | 2.0 | 2.4 |    | 6300  | 10000 |   |
| 383-2USOC/S400-A7      | AlGaInP | Super Sunset Orange | 615 |                | 2.0 | 2.4 |    | 8000  | 12500 |   |
| 383-2USOC/S400-A8      | AlGaInP | Super Sunset Orange | 615 |                | 2.0 | 2.4 |    | 10000 | 16000 |   |
| 383-2USOC/S400-A9      | AlGaInP | Super Sunset Orange | 615 |                | 2.0 | 2.4 |    | 12500 | 20000 |   |
| 383-2SURC/S530-A3      | AlGaInP | Hyper Red           | 624 |                | 2.0 | 2.4 |    | 2000  | 3200  |   |
| 383-2SURC/S530-A4      | AlGaInP | Hyper Red           | 624 |                | 2.0 | 2.4 |    | 2500  | 4000  |   |
| 383-2SURC/S530-A5      | AlGaInP | Hyper Red           | 624 |                | 2.0 | 2.4 |    | 3200  | 5000  |   |
| 383-2SURC/S400-A6      | AlGaInP | Hyper Red           | 624 |                | 2.0 | 2.4 |    | 4000  | 6300  |   |
| 383-2SURC/S400-A7      | AlGaInP | Hyper Red           | 624 |                | 2.0 | 2.4 |    | 5000  | 8000  |   |
| 383-2SURC/S400-A8      | AlGaInP | Hyper Red           | 624 |                | 2.0 | 2.4 |    | 6300  | 10000 |   |

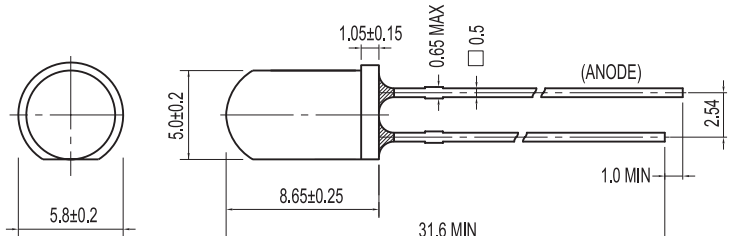
| Part Number<br>EL-xxxx | Chip     |               |                     | Lens Color | V <sub>F</sub> (V) at I <sub>F</sub> = 20mA |      | I <sub>V</sub> (mcd)   |      |      | Viewing Angle<br>2θ 1/2 |
|------------------------|----------|---------------|---------------------|------------|---------------------------------------------|------|------------------------|------|------|-------------------------|
|                        | Material | Emitted Color | λ <sub>D</sub> (nm) |            | Typ.                                        | Max. | at I <sub>F</sub> = mA | Min. | Typ. |                         |

## 5mm Backlighting Wide Angle LED, T-1 3/4

UNIT: mm

|                                                                                   |       |                                                                                    |     |             |     |     |    |     |     |    |
|-----------------------------------------------------------------------------------|-------|------------------------------------------------------------------------------------|-----|-------------|-----|-----|----|-----|-----|----|
|  |       |  |     |             |     |     |    |     |     |    |
| 423-2ASUBC/S400-A6                                                                | InGaN | Super Blue                                                                         | 470 | Water Clear | 3.5 | 4.0 | 20 | 85  | 120 | 85 |
| 423-2ASUGC/S400-A6                                                                | InGaN | SuperGreen                                                                         | 525 |             | 3.5 | 4.0 |    | 450 | 565 |    |
| 423-2ASURC/S400-A8                                                                | InGaN | Hyper Red                                                                          | 624 |             | 2.0 | 2.4 |    | 140 | 200 |    |

## 5mm Round, T-1 3/4

|                                                                                    |         |                                                                                     |     |             |     |     |    |      |      |    |
|------------------------------------------------------------------------------------|---------|-------------------------------------------------------------------------------------|-----|-------------|-----|-----|----|------|------|----|
|  |         |  |     |             |     |     |    |      |      |    |
| 7343-2UYC/S530-A3                                                                  | AlGaInP | Super Yellow                                                                        | 589 | Water Clear | 2.0 | 2.4 | 20 | 500  | 800  | 25 |
| 7343-2UYC/S530-A4                                                                  | AlGaInP | Super Yellow                                                                        | 589 |             | 2.0 | 2.4 |    | 630  | 1000 |    |
| 7343-2UYC/S530-A5                                                                  | AlGaInP | Super Yellow                                                                        | 589 |             | 2.0 | 2.4 |    | 800  | 1250 |    |
| 7343-2UYC/S400-A6                                                                  | AlGaInP | Super Yellow                                                                        | 589 |             | 2.0 | 2.4 |    | 1000 | 1600 |    |
| 7343-2UYC/S400-A7                                                                  | AlGaInP | Super Yellow                                                                        | 589 |             | 2.0 | 2.4 |    | 1250 | 2000 |    |
| 7343-2UYC/S400-A8                                                                  | AlGaInP | Super Yellow                                                                        | 589 |             | 2.0 | 2.4 |    | 1600 | 2500 |    |
| 7343-2UYC/S400-A9                                                                  | AlGaInP | Super Yellow                                                                        | 589 |             | 2.0 | 2.4 |    | 1640 | 2500 |    |
| 7343/Y2C2-ASVB                                                                     | AlGaInP | Super Yellow                                                                        | 589 |             | 2.0 | 2.6 |    | 3600 | 5000 |    |
| 7343-2USOC/S530-A3                                                                 | AlGaInP | Super Yellow                                                                        | 615 |             | 2.0 | 2.4 |    | 500  | 800  |    |
| 7343-2USOC/S530-A4                                                                 | AlGaInP | Super Sunset Orange                                                                 | 615 |             | 2.0 | 2.4 |    | 630  | 1000 |    |
| 7343-2USOC/S530-A5                                                                 | AlGaInP | Super Sunset Orange                                                                 | 615 |             | 2.0 | 2.4 |    | 800  | 1250 |    |
| 7343-2USOC/S400-A6                                                                 | AlGaInP | Super Sunset Orange                                                                 | 615 |             | 2.0 | 2.4 |    | 1000 | 1600 |    |
| 7343-2USOC/S400-A7                                                                 | AlGaInP | Super Sunset Orange                                                                 | 615 |             | 2.0 | 2.4 |    | 1250 | 2000 |    |
| 7343-2USOC/S400-A8                                                                 | AlGaInP | Super Sunset Orange                                                                 | 615 |             | 2.0 | 2.4 |    | 1600 | 2500 |    |
| 7343-2USOC/S400-A9                                                                 | AlGaInP | Super Sunset Orange                                                                 | 615 |             | 2.0 | 2.4 |    | 2000 | 3200 |    |
| 7343-2SURC/S530-A3                                                                 | AlGaInP | Hyper Red                                                                           | 624 |             | 2.0 | 2.4 |    | 500  | 800  |    |
| 7343-2SURC/S530-A4                                                                 | AlGaInP | Hyper Red                                                                           | 624 |             | 2.0 | 2.4 |    | 630  | 1000 |    |
| 7343-2SURC/S530-A5                                                                 | AlGaInP | Hyper Red                                                                           | 624 |             | 2.0 | 2.4 |    | 800  | 1250 |    |
| 7343-2SURC/S400-A6                                                                 | AlGaInP | Hyper Red                                                                           | 624 |             | 2.0 | 2.4 |    | 1000 | 1600 |    |
| 7343-2SURC/S400-A7                                                                 | AlGaInP | Hyper Red                                                                           | 624 |             | 2.0 | 2.4 |    | 1250 | 2000 |    |
| 7343-2SURC/S400-A8                                                                 | AlGaInP | Hyper Red                                                                           | 624 |             | 2.0 | 2.4 |    | 1640 | 2500 |    |
| 7343-2SURC/S400-A9                                                                 | AlGaInP | Hyper Red                                                                           | 624 |             | 2.0 | 2.4 |    | 1800 | 2500 |    |
| 7343/R2C2-AQTB                                                                     | AlGaInP | Hyper Red                                                                           | 624 |             | 2.0 | 2.6 |    | 2850 | 4000 |    |

| Part Number<br>EL-xxxx | Chip     |               |                     | Lens Color | V <sub>F</sub> (V) at I <sub>F</sub> = 20mA |      | I <sub>v</sub> (mcd)   |      |      | Viewing Angle<br>2θ 1/2 |
|------------------------|----------|---------------|---------------------|------------|---------------------------------------------|------|------------------------|------|------|-------------------------|
|                        | Material | Emitted Color | λ <sub>D</sub> (nm) |            | Typ.                                        | Max. | at I <sub>F</sub> = mA | Min. | Typ. |                         |

5mm Round, T-1 3/4

UNIT: mm

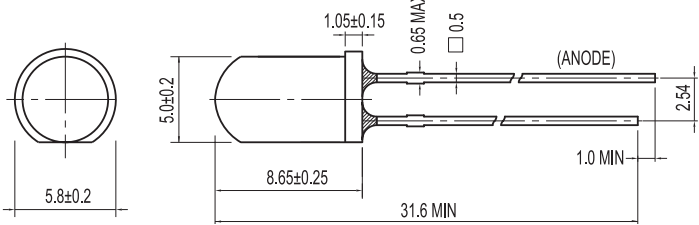
|                       |         |                     |     |             |     |     |    |      |      |    |
|-----------------------|---------|---------------------|-----|-------------|-----|-----|----|------|------|----|
|                       |         |                     |     |             |     |     |    |      |      |    |
| 7343-2UYC/H2/S530-A3  | AlGaInP | Super Yellow        | 589 | Water Clear | 2.0 | 2.4 | 20 | 400  | 630  | 30 |
| 7343-2UYC/H2/S530-A4  | AlGaInP | Super Yellow        | 589 |             | 2.0 | 2.4 |    | 500  | 800  |    |
| 7343-2UYC/H2/S530-A5  | AlGaInP | Super Yellow        | 589 |             | 2.0 | 2.4 |    | 630  | 1000 |    |
| 7343-2UYC/H2/S400-A6  | AlGaInP | Super Yellow        | 589 |             | 2.0 | 2.4 |    | 800  | 1250 |    |
| 7343-2UYC/H2/S400-A7  | AlGaInP | Super Yellow        | 589 |             | 2.0 | 2.4 |    | 1000 | 1600 |    |
| 7343-2UYC/H2/S400-A8  | AlGaInP | Super Yellow        | 589 |             | 2.0 | 2.4 |    | 1250 | 2000 |    |
| 7343-2UYC/H2/S400-A9  | AlGaInP | Super Yellow        | 589 |             | 2.0 | 2.4 |    | 1600 | 2500 |    |
| 7343UYC/S1060         | AlGaInP | Super Yellow        | 589 |             | 2.0 | 2.4 |    | 1600 | 2500 |    |
| 7343-2USOC/H2/S530-A3 | AlGaInP | Super Sunset Orange | 615 |             | 2.0 | 2.4 |    | 400  | 630  |    |
| 7343-2USOC/H2/S530-A4 | AlGaInP | Super Sunset Orange | 615 |             | 2.0 | 2.4 |    | 500  | 800  |    |
| 7343-2USOC/H2/S530-A5 | AlGaInP | Super Sunset Orange | 615 |             | 2.0 | 2.4 |    | 630  | 1000 |    |
| 7343-2USOC/H2/S400-A6 | AlGaInP | Super Sunset Orange | 615 |             | 2.0 | 2.4 |    | 800  | 1250 |    |
| 7343-2USOC/H2/S400-A7 | AlGaInP | Super Sunset Orange | 615 |             | 2.0 | 2.4 |    | 1000 | 1600 |    |
| 7343-2USOC/H2/S400-A8 | AlGaInP | Super Sunset Orange | 615 |             | 2.0 | 2.4 |    | 1250 | 2000 |    |
| 7343-2USOC/H2/S400-A9 | AlGaInP | Super Sunset Orange | 615 |             | 2.0 | 2.4 |    | 1600 | 2500 |    |
| 7343-2SURC/H2/S530-A3 | AlGaInP | Hyper Red           | 624 |             | 2.0 | 2.4 |    | 400  | 630  |    |
| 7343-2SURC/H2/S530-A4 | AlGaInP | Hyper Red           | 624 |             | 2.0 | 2.4 |    | 500  | 800  |    |
| 7343-2SURC/H2/S530-A5 | AlGaInP | Hyper Red           | 624 |             | 2.0 | 2.4 |    | 630  | 1000 |    |
| 7343-2SURC/H2/S400-A6 | AlGaInP | Hyper Red           | 624 |             | 2.0 | 2.4 |    | 800  | 1250 |    |
| 7343-2SURC/H2/S400-A7 | AlGaInP | Hyper Red           | 624 |             | 2.0 | 2.4 |    | 1000 | 1600 |    |
| 7343-2SURC/H2/S400-A8 | AlGaInP | Hyper Red           | 624 |             | 2.0 | 2.4 |    | 1250 | 2500 |    |
| 7343USRC/S1060        | AlGaInP | Hyper Red           | 631 |             | 2.0 | 2.6 |    | 2500 | 4000 |    |

# EVERLIGHT SUPER BRIGHT LED LAMP

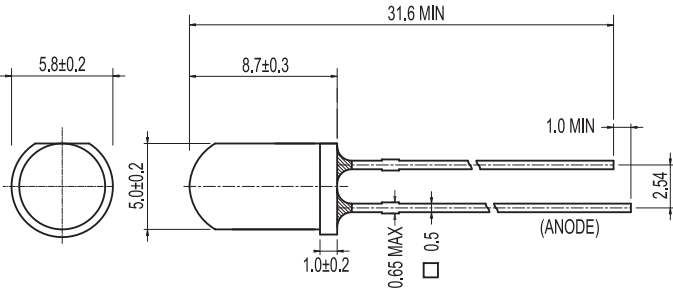
| Part Number<br>EL-xxxx | Chip     |               |                     | Lens Color | V <sub>F</sub> (V) at I <sub>F</sub> = 20mA |      | I <sub>v</sub> (mcd)   |      |      | Viewing Angle<br>2θ 1/2 |
|------------------------|----------|---------------|---------------------|------------|---------------------------------------------|------|------------------------|------|------|-------------------------|
|                        | Material | Emitted Color | λ <sub>D</sub> (nm) |            | Typ.                                        | Max. | at I <sub>F</sub> = mA | Min. | Typ. |                         |

5mm Round, T-1 3/4

UNIT: mm

|                                                                                   |       |                                                                                    |     |             |     |     |    |      |      |    |
|-----------------------------------------------------------------------------------|-------|------------------------------------------------------------------------------------|-----|-------------|-----|-----|----|------|------|----|
|  |       |  |     |             |     |     |    |      |      |    |
| 7344-15SUBC/C470/S400-A4                                                          | InGaN | SuperBlue                                                                          | 470 | Water Clear | 3.5 | 4.0 | 20 | 500  | 800  | 30 |
| 7344-15SUBC/C470/S400-A5                                                          | InGaN | SuperBlue                                                                          | 470 |             | 3.5 | 4.0 |    | 630  | 1000 |    |
| 7344-15SUBC/C470/S400-A6                                                          | InGaN | SuperBlue                                                                          | 470 |             | 3.5 | 4.0 |    | 800  | 1250 |    |
| 7344-15SUBC/S400-X10                                                              | InGaN | SuperBlue                                                                          | 470 |             | 3.5 | 4.0 |    | 1450 | 2250 |    |
| 7344-15UBGC/S400-A4                                                               | InGaN | Bluish Green                                                                       | 505 |             | 3.5 | 4.0 |    | 1600 | 2500 |    |
| 7344-15UBGC/S400-A5                                                               | InGaN | Bluish Green                                                                       | 505 |             | 3.5 | 4.0 |    | 2000 | 3200 |    |
| 7344-15UBGC/S400-X9                                                               | InGaN | Bluish Green                                                                       | 505 |             | 3.5 | 4.0 |    | 3600 | 5650 |    |
| 7344-15UBGC/S400-A6                                                               | InGaN | Bluish Green                                                                       | 505 |             | 3.5 | 4.0 |    | 2500 | 4000 |    |
| 7344-15SUGC/S400-A4                                                               | InGaN | SuperGreen                                                                         | 525 |             | 3.5 | 4.0 |    | 1600 | 2500 |    |
| 7344-15SUGC/S400-A5                                                               | InGaN | SuperGreen                                                                         | 525 |             | 3.5 | 4.0 |    | 2000 | 3200 |    |
| 7344-15SUGC/S400-X6                                                               | InGaN | SuperGreen                                                                         | 525 |             | 3.5 | 4.0 |    | 4500 | 5650 |    |

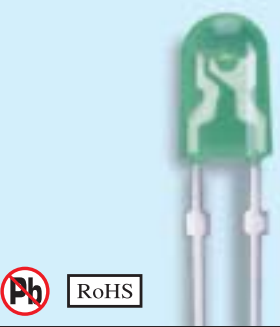
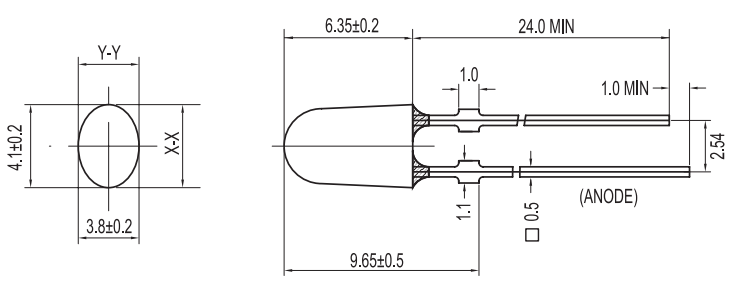
5mm Round, T-1 3/4

|                                                                                     |         |                                                                                      |     |             |     |     |    |      |      |    |
|-------------------------------------------------------------------------------------|---------|--------------------------------------------------------------------------------------|-----|-------------|-----|-----|----|------|------|----|
|  |         |  |     |             |     |     |    |      |      |    |
| 7383/Y2C3-AQTB                                                                      | AlGaInP | Super Yellow                                                                         | 589 | Water Clear | 2.0 | 2.6 | 20 | 1800 | 2250 | 30 |
| 7383/A2C3-APSB                                                                      | AlGaInP | Super Sunset Orange                                                                  | 615 |             | 2.0 | 2.6 |    | 2400 | 5000 |    |
| 7383/R2C3-AMQB                                                                      | AlGaInP | Hyper Red                                                                            | 624 |             | 2.0 | 2.6 |    | 2850 | 4500 |    |

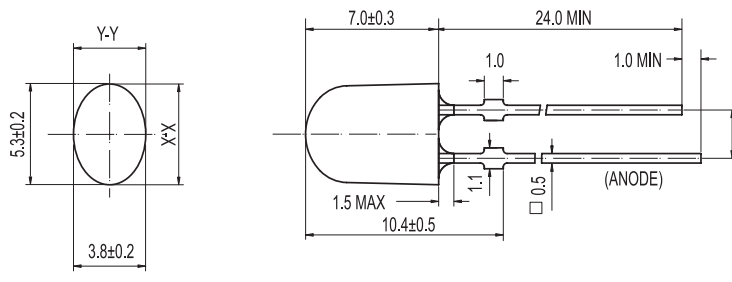
| Part Number<br>EL-xxxx | Chip     |                  |                     | Lens<br>Color | V <sub>F</sub> (V) at I <sub>F</sub> = 20mA |      | I <sub>v</sub> (mcd)      |      |      | Viewing<br>Angle<br>2θ 1/2 |
|------------------------|----------|------------------|---------------------|---------------|---------------------------------------------|------|---------------------------|------|------|----------------------------|
|                        | Material | Emitted<br>Color | λ <sub>D</sub> (nm) |               | Typ.                                        | Max. | at<br>I <sub>F</sub> = mA | Min. | Typ. |                            |

## 4.1x3.0mm Elliptical Wide Angle LED

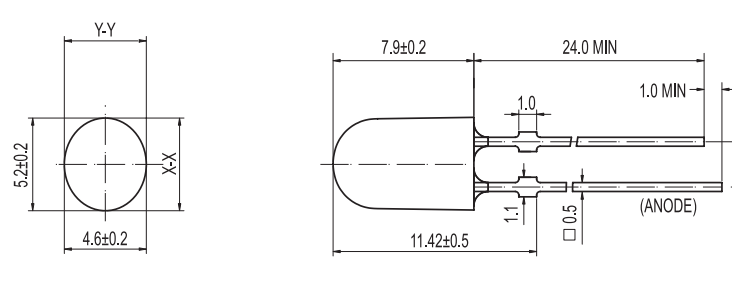
UNIT: mm

|                                                                                   |           |                                                                                    |     |              |     |     |    |     |     |        |
|-----------------------------------------------------------------------------------|-----------|------------------------------------------------------------------------------------|-----|--------------|-----|-----|----|-----|-----|--------|
|  |           |  |     |              |     |     |    |     |     |        |
| 3464SUBD/MS                                                                       | InGaN/SiC | Super Blue                                                                         | 470 | Blue Diff.   | 3.7 | 4.3 | 20 | 240 | 300 | 110/50 |
| 3464SUGD/MS                                                                       | InGaN/SiC | Super Green                                                                        | 527 | Green Diff.  | 3.7 | 4.3 |    | 715 | 900 |        |
| 3464UYD/S400-A9/MS                                                                | AlGaInP   | Super Yellow                                                                       | 590 | Yellow Diff. | 2.0 | 2.4 |    | 360 | 450 |        |
| 3464SURD/S400-A8/MS                                                               | AlGaInP   | Hyper Red                                                                          | 624 | Red Diff.    | 2.0 | 2.4 |    | 285 | 360 |        |
| 3464USRD/MS                                                                       | AlGaInP   | Red                                                                                | 629 | Red Diff.    | 2.2 | 2.7 |    | 450 | 715 |        |

## 5.3x3.8mm Elliptical Wide Angle LED

|                                                                                    |         |                                                                                     |     |              |     |     |    |     |      |        |
|------------------------------------------------------------------------------------|---------|-------------------------------------------------------------------------------------|-----|--------------|-----|-----|----|-----|------|--------|
|  |         |  |     |              |     |     |    |     |      |        |
| 5474SUBD/S463                                                                      | InGaN   | Super Blue                                                                          | 470 | Blue Diff.   | 3.0 | 4.0 | 20 | 240 | 400  | 110/40 |
| 5474SUGD/S463                                                                      | InGaN   | Super Green                                                                         | 525 | Green Diff.  | 3.0 | 4.0 |    | 600 | 1200 |        |
| 5483/Y8DC-AJLB/MS                                                                  | AlGaInP | Super Yellow                                                                        | 589 | Yellow Diff. | 2.0 | 2.6 |    | 715 | 900  |        |
| 5483/R8DC-AJLB/MS                                                                  | AlGaInP | Hyper Red                                                                           | 624 | Red Diff.    | 2.0 | 2.6 |    | 715 | 900  |        |

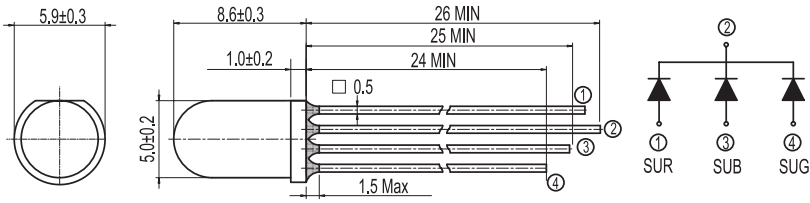
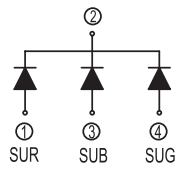
## 5.2x4.6mm Elliptical Wide Angle LED

|                                                                                     |         |                                                                                      |     |              |     |     |    |      |      |       |
|-------------------------------------------------------------------------------------|---------|--------------------------------------------------------------------------------------|-----|--------------|-----|-----|----|------|------|-------|
|  |         |  |     |              |     |     |    |      |      |       |
| 6364SUBC/S463                                                                       | InGaN   | Super Blue                                                                           | 470 | Blue Diff.   | 3.0 | 4.0 | 20 | 300  | 565  | 70/40 |
| 6364SUGC/S463                                                                       | InGaN   | Super Green                                                                          | 525 | Green Diff.  | 3.0 | 4.0 |    | 760  | 1425 |       |
| 6374/Y2DA-AKMB                                                                      | AlGaInP | Super Yellow                                                                         | 589 | Yellow Diff. | 2.0 | 2.6 |    | 1125 | 1800 |       |
| 6374/R2DA-AJLB                                                                      | AlGaInP | Hyper Red                                                                            | 624 | Red Diff.    | 2.0 | 2.6 |    | 900  | 1425 |       |

| Part Number<br>EL-xxxx | Chip     |                  |                     | Lens<br>Color | V <sub>F</sub> (V) at I <sub>F</sub> = 20mA |      | I <sub>v</sub> (mcd)      |      |      | Viewing<br>Angle<br>2θ 1/2 |
|------------------------|----------|------------------|---------------------|---------------|---------------------------------------------|------|---------------------------|------|------|----------------------------|
|                        | Material | Emitted<br>Color | λ <sub>D</sub> (nm) |               | Typ.                                        | Max. | at<br>I <sub>F</sub> = mA | Min. | Typ. |                            |

5mm Round, T-1 3/4

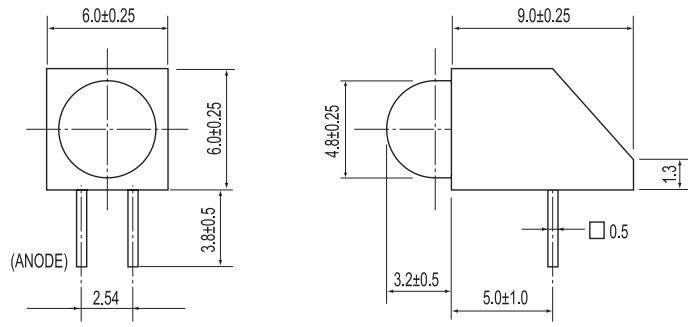
UNIT: mm

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| 339-9SUGSURSUBC/S400-A4A9X8                                                       | InGaN   | SuperBlue                                                                           | 470 | Water<br>Clear | 3.5 | 4.0 | 20 | 200 | 320  | 50 |
|                                                                                   | InGaN   | Super Green                                                                         | 525 |                | 3.5 | 4.0 |    | 630 | 1000 |    |
|                                                                                   | AlGaInP | Hyper Red                                                                           | 624 |                | 2.0 | 2.4 |    | 500 | 800  |    |

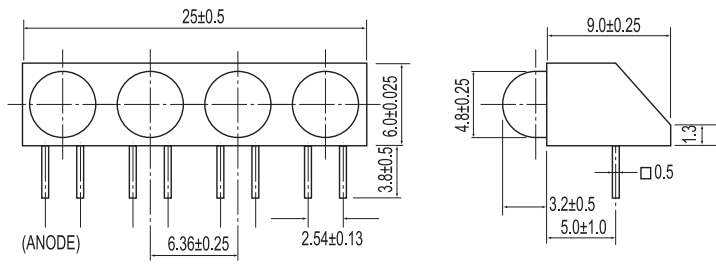
| Part Number<br>EL-xxxx | Chip     |               |                     | Lens Color | V <sub>F</sub> (V) at I <sub>F</sub> = 20mA |      | I <sub>v</sub> (mcd)   |      |      | Viewing Angle<br>2θ 1/2 |
|------------------------|----------|---------------|---------------------|------------|---------------------------------------------|------|------------------------|------|------|-------------------------|
|                        | Material | Emitted Color | λ <sub>D</sub> (nm) |            | Typ.                                        | Max. | at I <sub>F</sub> = mA | Min. | Typ. |                         |

5mm Circuit Board Indicator, T-1 3/4

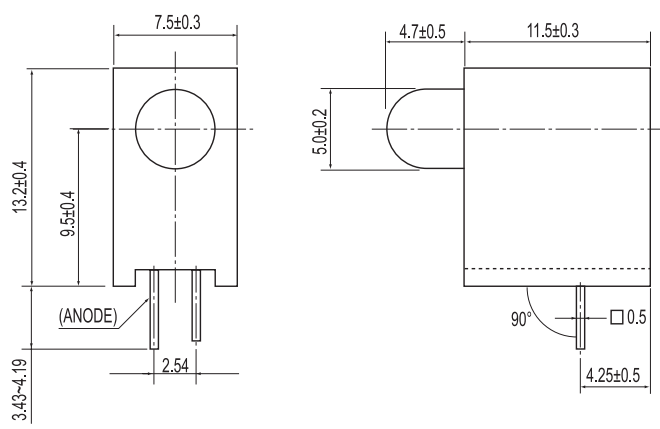
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|-------------------------------------------------------------------------------------------------------------------------|---------|------------------------------------------------------------------------------------|-----|-------------|-----|-----|----|-----|-----|----|
|  <p><b>Pb</b> RoHS</p> <p>313XXX*1</p> |         |  |     |             |     |     |    |     |     |    |
| A93B/G                                                                                                                  | GaP     | Green                                                                              | 570 | Color Diff. | 2.1 | 2.4 | 10 | 2.5 | 5.0 | 60 |
| A93B/UY/S530-A3                                                                                                         | AlGaInP | Super Yellow                                                                       | 589 |             | 2.0 | 2.4 | 20 | 50  | 120 | 40 |
| A93B/SUR/S530-A3                                                                                                        | AlGaInP | Hyper Red                                                                          | 624 |             | 2.0 | 2.4 |    | 40  | 100 |    |

5mm 4Pcs Circuit Board Indicator, T-1 3/4

|                                                                                                                          |         |                                                                                     |     |             |     |     |    |     |     |    |
|--------------------------------------------------------------------------------------------------------------------------|---------|-------------------------------------------------------------------------------------|-----|-------------|-----|-----|----|-----|-----|----|
|  <p><b>Pb</b> RoHS</p> <p>313XXX*4</p> |         |  |     |             |     |     |    |     |     |    |
| A93B/4G                                                                                                                  | GaP     | Green                                                                               | 570 | Color Diff. | 2.1 | 2.4 | 10 | 2.5 | 5.0 | 60 |
| A93B/4UY/S530-A3                                                                                                         | AlGaInP | Super Yellow                                                                        | 589 |             | 2.0 | 2.4 | 20 | 50  | 120 | 40 |
| A93B/4SUR/S530-A3                                                                                                        | AlGaInP | Hyper Red                                                                           | 624 |             | 2.0 | 2.4 |    | 40  | 100 |    |

5mm Circuit Board Indicator, T-1 3/4

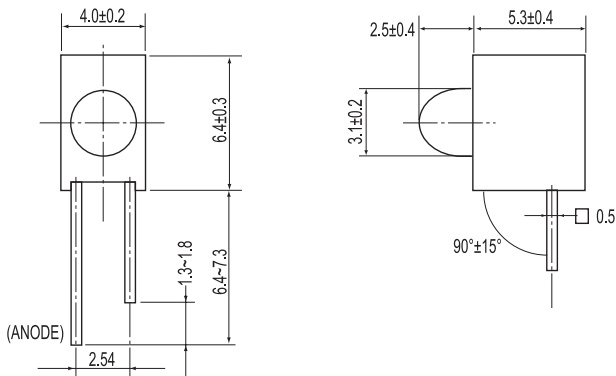
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|  <p><b>Pb</b> RoHS</p> <p>333XXX*1</p> |         |  |     |             |     |     |    |     |     |    |
| A203B/G                                                                                                                   | GaP     | Green                                                                                | 570 | Color Diff. | 2.1 | 2.4 | 10 | 2.0 | 10  | 60 |
| A203B/UY/S530-A3                                                                                                          | AlGaInP | Super Yellow                                                                         | 589 |             | 2.0 | 2.4 | 20 | 100 | 200 | 30 |
| A203B/SUR/S530-A3                                                                                                         | AlGaInP | Hyper Red                                                                            | 624 |             | 2.0 | 2.4 |    | 100 | 200 |    |

All dibasic and ternary Leds will be replaced by quaternary Led(AlInGaP) unless specifically required by customer.

| Part Number<br>EL-xxxx | Chip     |               |                     | Lens Color | V <sub>F</sub> (V) at I <sub>F</sub> = 20mA |      | I <sub>v</sub> (mcd)   |      |      | Viewing Angle<br>2θ 1/2 |
|------------------------|----------|---------------|---------------------|------------|---------------------------------------------|------|------------------------|------|------|-------------------------|
|                        | Material | Emitted Color | λ <sub>D</sub> (nm) |            | Typ.                                        | Max. | at I <sub>F</sub> = mA | Min. | Typ. |                         |

3mm Circuit Board Indicator, T-1 3/4

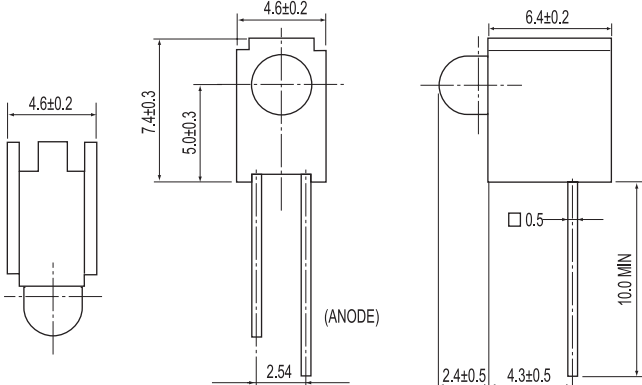
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5mm Circuit Board Indicator, T-1 3/4

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3mm Circuit Board Indicator, T-1 3/4

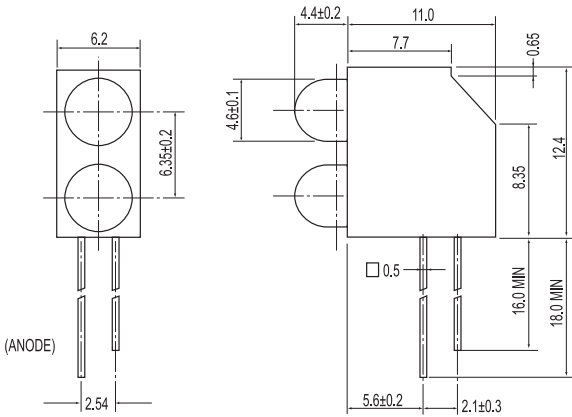
|                                                                                                                                                              |         |              |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |     |     |    |     |     |    |
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|  <div><div><div>Pb</div><div>RoHS</div></div><div>264-10XXX*1</div></div> |         |              |     |  <p>Technical drawing showing three views of the component with dimensions in millimeters:</p> <ul style="list-style-type: none"><li>Top View: Overall width 4.6±0.2, mounting hole diameter 2.54.</li><li>Side View: Overall height 7.4±0.3, mounting hole diameter 5.0±0.3, and a dimension of 4.6±0.2 from the top edge to the center of the mounting hole.</li><li>Front View: Overall width 6.4±0.2, mounting hole diameter 2.4±0.5, and a dimension of 4.3±0.5 from the center of the mounting hole to the right edge. A note indicates a minimum length of 10.0 MIN for the leads.</li></ul> <p>(ANODE)</p> |     |     |    |     |     |    |
| A264B/G                                                                                                                                                      | GaP     | Green        | 570 | Water Clear                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 2.1 | 2.4 | 10 | 2.5 | 10  | 60 |
| A264B/UY/S530-A3                                                                                                                                             | AlGaInP | Super Yellow | 589 | Color Diff.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 2.0 | 2.4 | 20 | 50  | 100 |    |
| A264B/SUR/S530-A3                                                                                                                                            | AlGaInP | Hyper Red    | 624 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 2.0 | 2.4 |    | 63  | 120 |    |

All dibasic and ternary Leds will be replaced by quaternary Led(AlInGaP) unless specifically required by customer.

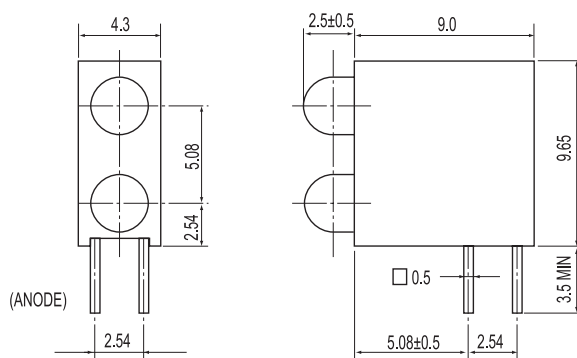
| Part Number<br>EL-XXXX | Chip     |               |                     | Lens Color | V <sub>F</sub> (V) at I <sub>F</sub> = 20mA |      | I <sub>V</sub> (mcd)   |      |      | Viewing Angle<br>2θ 1/2 |
|------------------------|----------|---------------|---------------------|------------|---------------------------------------------|------|------------------------|------|------|-------------------------|
|                        | Material | Emitted Color | λ <sub>D</sub> (nm) |            | Typ.                                        | Max. | at I <sub>F</sub> = mA | Min. | Typ. |                         |

4.6mm 2Pcs Circuit Board Indicator, T-1 3/4

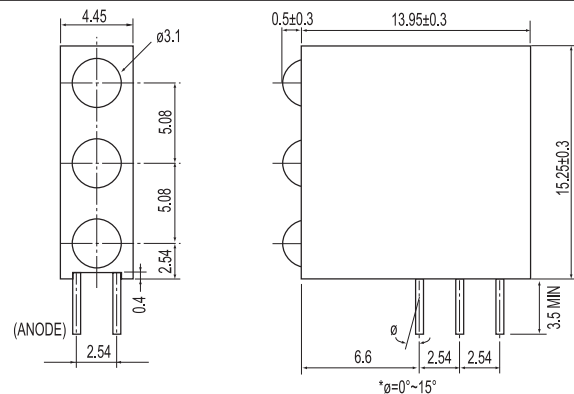
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| <br> <br>2303XXX*2 |  |              |     |             |     |     |    |     |     |    |
| A593B/2UY/S530-A3                                                                                                                                                                                                                                                     | AlGaInP                                                                            | Super Yellow | 589 | Color Diff. | 2.0 | 2.4 | 20 | 125 | 200 | 40 |
| A593B/2SUR/S530-A3                                                                                                                                                                                                                                                    | AlGaInP                                                                            | Hyper Red    | 624 |             | 2.0 | 2.4 |    | 63  | 125 |    |
|                                                                                                                                                                                                                                                                       |                                                                                    |              |     |             |     |     |    |     |     |    |

3mm 2Pcs Circuit Board Indicator, T-1

|                                                                                                                                                                                                                         |         |                                                                                     |     |             |     |     |    |     |     |    |  |
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|  <div> <span>RoHS</span></div> <div>234XXX*2</div> |         |  |     |             |     |     |    |     |     |    |  |
| A694B/2G                                                                                                                                                                                                                | GaP     | Green                                                                               | 570 | Water Clear | 2.1 | 2.4 | 10 | 4.0 | 6.3 | 60 |  |
| A694B/2UY/S530-A3                                                                                                                                                                                                       | AlGaInP | Super Yellow                                                                        | 589 | Color Diff. | 2.0 | 2.4 | 20 | 16  | 32  |    |  |
| A694B/2SUR/S530-A3                                                                                                                                                                                                      | AlGaInP | Hyper Red                                                                           | 624 |             | 2.0 | 2.4 |    | 10  | 25  |    |  |

3mm 3Pcs Circuit Board Indicator, T-1

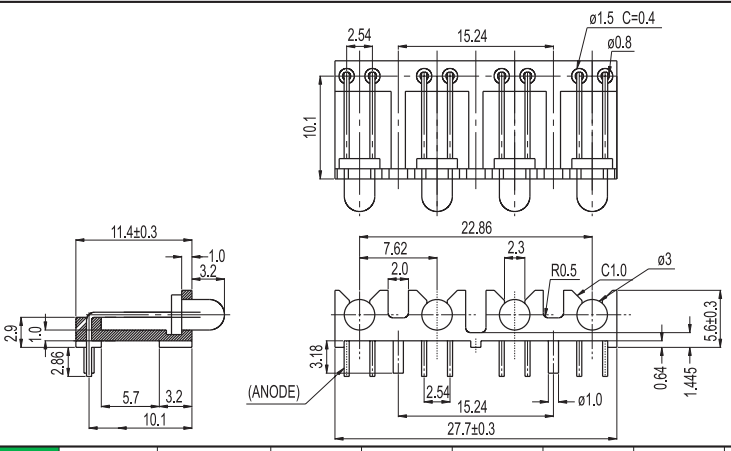
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| <br> <br>234XXX*3 |  |              |     |             |     |     |    |     |     |    |
| A764B/3G                                                                                                                                                                                                                                                                   | GaP                                                                                  | Green        | 570 | Water Clear | 2.1 | 2.4 | 10 | 4.0 | 6.3 | 60 |
| A764B/3UY/S530-A3                                                                                                                                                                                                                                                          | AlGaInP                                                                              | Super Yellow | 589 | Color Diff. | 2.0 | 2.4 | 20 | 16  | 32  |    |
| A764B/3SUR/S530-A3                                                                                                                                                                                                                                                         | AlGaInP                                                                              | Hyper Red    | 624 |             | 2.0 | 2.4 |    | 10  | 25  |    |

All dibasic and ternary Leds will be replaced by quaternary Led(AlInGaP) unless specifically required by customer.

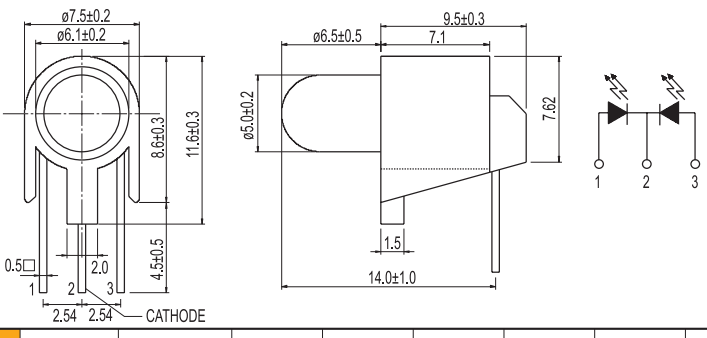
| Part Number<br>EL-xxxx | Chip     |               |                     | Lens Color | V <sub>F</sub> (V) at I <sub>F</sub> = 20mA |      | I <sub>v</sub> (mcd)   |      |      | Viewing Angle<br>2θ 1/2 |
|------------------------|----------|---------------|---------------------|------------|---------------------------------------------|------|------------------------|------|------|-------------------------|
|                        | Material | Emitted Color | λ <sub>D</sub> (nm) |            | Typ.                                        | Max. | at I <sub>F</sub> = mA | Min. | Typ. |                         |

3mm Multi-LED Circuit Board Indicator, T-1

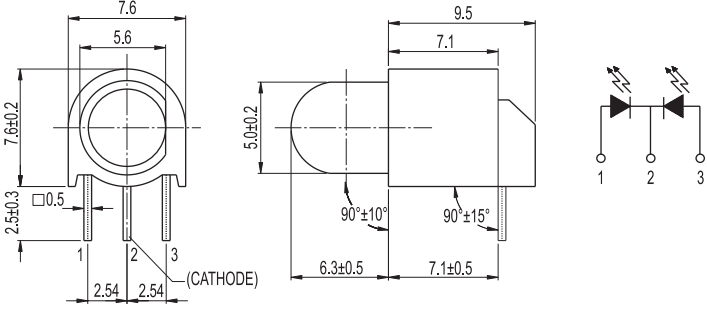
UNIT: mm

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|  <p><b>Pb</b> <b>RoHS</b></p> <p>204XXX*4</p> |         |  |     |             |     |     |    |     |     |    |
| A804B/4G                                                                                                                       | GaP     | Green                                                                              | 570 | Color Diff. | 2.1 | 2.4 | 10 | 4.0 | 6.3 | 60 |
| A804B/4UY/S530-A3                                                                                                              | AlGaInP | Super Yellow                                                                       | 589 |             | 2.0 | 2.4 | 20 | 63  | 125 |    |
| A804B/4SUR/S530-A3                                                                                                             | AlGaInP | Hyper Red                                                                          | 624 |             | 2.0 | 2.4 |    | 63  | 100 |    |

5mm Circuit Board Indicator, T-1 3/4

|                                                                                                                                    |         |                                                                                     |     |             |     |     |    |    |    |     |
|------------------------------------------------------------------------------------------------------------------------------------|---------|-------------------------------------------------------------------------------------|-----|-------------|-----|-----|----|----|----|-----|
|  <p><b>Pb</b> <b>RoHS</b></p> <p>339-1XXX*1</p> |         |  |     |             |     |     |    |    |    |     |
| A1329-1B/UYUY/S530-A3                                                                                                              | AlGaInP | Super Yellow                                                                        | 589 | Water Clear | 2.0 | 2.4 | 20 | 25 | 50 | 100 |
|                                                                                                                                    | AlGaInP | Super Yellow                                                                        | 589 |             | 2.0 | 2.4 |    | 25 | 50 |     |
| A1329-1B/SURSUR/S530-A3                                                                                                            | AlGaInP | Hyper Red                                                                           | 624 |             | 2.0 | 2.4 |    | 25 | 50 |     |
|                                                                                                                                    | AlGaInP | Hyper Red                                                                           | 624 |             | 2.0 | 2.4 |    | 25 | 50 |     |

5mm Circuit Board Indicator, T-1 3/4

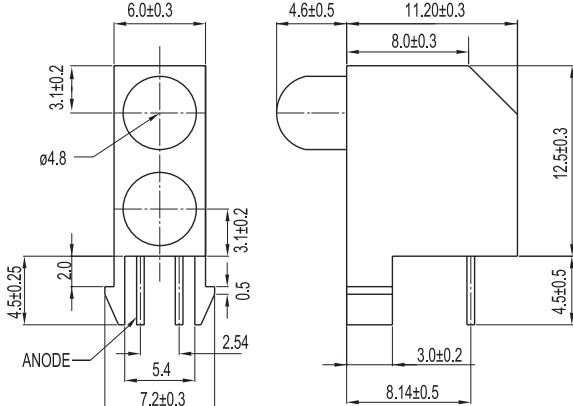
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|  <p><b>Pb</b> <b>RoHS</b></p> <p>339-1XXX*1</p> |         |  |     |             |     |     |    |    |    |     |
| A1479-1B/UYUY/S530-A3                                                                                                              | AlGaInP | Super Yellow                                                                         | 589 | Water Clear | 2.0 | 2.4 | 20 | 25 | 50 | 100 |
|                                                                                                                                    | AlGaInP | Super Yellow                                                                         | 589 |             | 2.0 | 2.4 |    | 25 | 50 |     |
| A1479-1B/SURSUR/S530-A3                                                                                                            | AlGaInP | Hyper Red                                                                            | 624 |             | 2.0 | 2.4 |    | 25 | 50 |     |
|                                                                                                                                    | AlGaInP | Hyper Red                                                                            | 624 |             | 2.0 | 2.4 |    | 25 | 50 |     |

All dibasic and ternary Leds will be replaced by quaternary Led(AlInGaP) unless specifically required by customer.

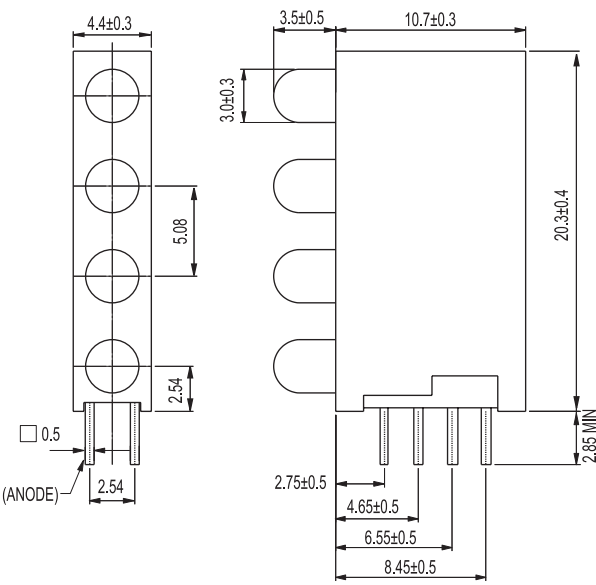
| Part Number<br>EL-xxxx | Chip     |               |                     | Lens Color | V <sub>F</sub> (V) at I <sub>F</sub> = 20mA |      | I <sub>v</sub> (mcd)   |      |      | Viewing Angle<br>2θ 1/2 |
|------------------------|----------|---------------|---------------------|------------|---------------------------------------------|------|------------------------|------|------|-------------------------|
|                        | Material | Emitted Color | λ <sub>D</sub> (nm) |            | Typ.                                        | Max. | at I <sub>F</sub> = mA | Min. | Typ. |                         |

4.8mm 2Pcs Circuit Board Indicator

UNIT: mm

|                                                                                                                                                                             |         |              |     |                                                                                    |     |     |    |    |     |    |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|--------------|-----|------------------------------------------------------------------------------------|-----|-----|----|----|-----|----|
| <br> RoHS |         | 313XXX*1     |     |  |     |     |    |    |     |    |
| A1643B/UY/S530-A3                                                                                                                                                           | AlGaInP | Super Yellow | 589 | Color Diff.                                                                        | 2.0 | 2.4 | 20 | 50 | 120 | 40 |
| A1643B/SUR/S530-A3                                                                                                                                                          | AlGaInP | Hyper Red    | 624 |                                                                                    | 2.0 | 2.4 |    | 40 | 100 |    |

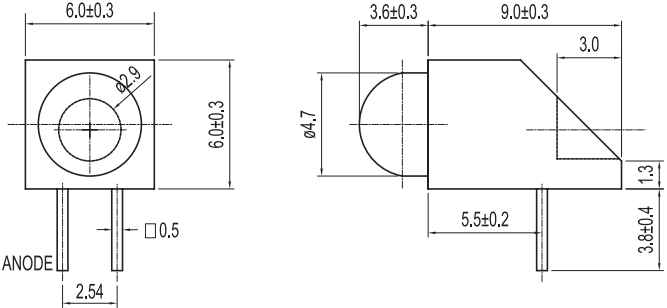
3mm 4Pcs Circuit Board Indicator, T-1

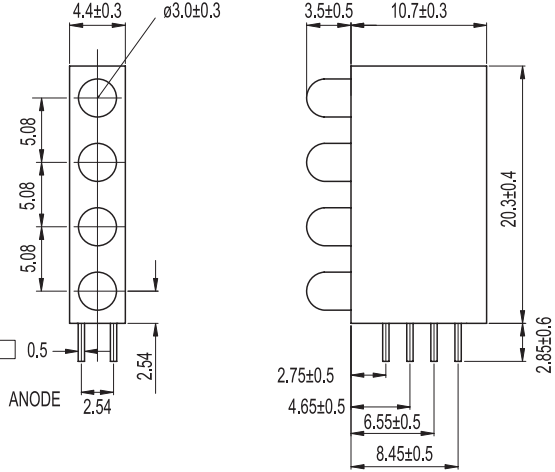
|                                                                                                                                                                                 |         |              |     |                                                                                     |     |     |    |     |     |    |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|--------------|-----|-------------------------------------------------------------------------------------|-----|-----|----|-----|-----|----|
| <br> RoHS |         | 264-10XXX*4  |     |  |     |     |    |     |     |    |
| A1844B/4G                                                                                                                                                                       | GaP     | Green        | 570 | White Diff.                                                                         | 2.1 | 2.4 | 10 | 2.5 | 10  | 60 |
| A1844B/4UY/S530-A3                                                                                                                                                              | AlGaInP | Super Yellow | 589 |                                                                                     | 2.0 | 2.4 | 20 | 50  | 100 |    |
| A1844B/4SUR/S530-A3                                                                                                                                                             | AlGaInP | Hyper Red    | 624 |                                                                                     | 2.0 | 2.4 |    | 40  | 63  |    |

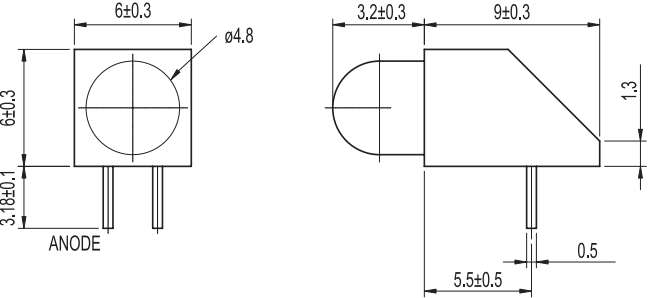
All dibasic and ternary Leds will be replaced by quaternary Led(AlInGaP) unless specifically required by customer.

| Part Number<br>EL-xxxx | Chip     |               |                     | Lens Color | V <sub>F</sub> (V) at I <sub>F</sub> = 20mA |      | I <sub>v</sub> (mcd)   |      |      | Viewing Angle<br>2θ 1/2 |
|------------------------|----------|---------------|---------------------|------------|---------------------------------------------|------|------------------------|------|------|-------------------------|
|                        | Material | Emitted Color | λ <sub>D</sub> (nm) |            | Typ.                                        | Max. | at I <sub>F</sub> = mA | Min. | Typ. |                         |

UNIT: mm

|                                                                                                                                                                                                                                                                       |           |                                                                                    |     |              |     |     |    |     |     |    |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|------------------------------------------------------------------------------------|-----|--------------|-----|-----|----|-----|-----|----|
| <br> <br>7363XXX*1 |           |  |     |              |     |     |    |     |     |    |
| A2703B/G                                                                                                                                                                                                                                                              | GaP       | Green                                                                              | 570 | Green Diff.  | 2.1 | 2.4 | 20 | 2.5 | 5.0 | 60 |
| A2703B/Y                                                                                                                                                                                                                                                              | GaAsP/GaP | Yellow                                                                             | 590 | Yellow Diff. | 2.0 | 2.4 |    | 2.5 | 5.0 |    |
| A2703B/H                                                                                                                                                                                                                                                              | GaP       | Bright Red                                                                         | 650 | Red Diff.    | 2.0 | 2.4 |    | 0.5 | 1.6 |    |

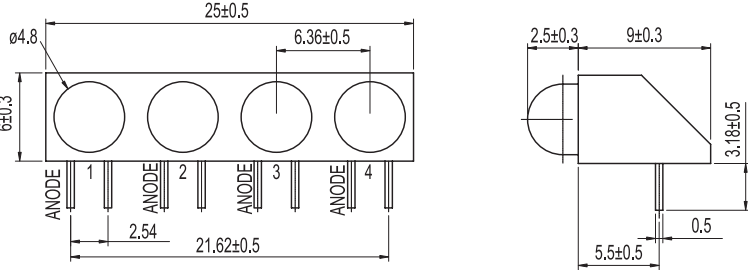
|                                                                                                                                                                                                                                                                            |         |                                                                                     |     |             |     |     |    |    |    |    |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|-------------------------------------------------------------------------------------|-----|-------------|-----|-----|----|----|----|----|
| <br> <br>264XXX*1 |         |  |     |             |     |     |    |    |    |    |
| A2714B/SURW/S530-A3                                                                                                                                                                                                                                                        | AlGaInP | Hyper Red                                                                           | 624 | White Diff. | 2.0 | 2.4 | 20 | 40 | 63 | 60 |

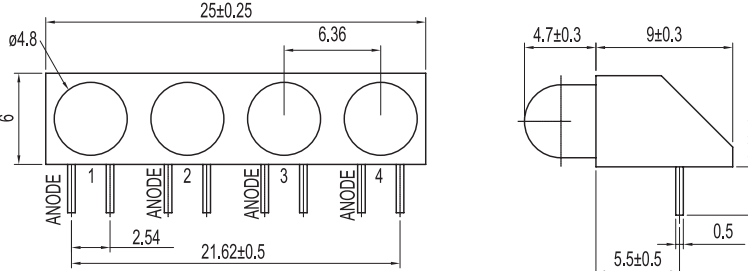
|                                                                                                                                                                                                                                                                             |           |                                                                                      |     |           |     |     |    |    |    |    |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|--------------------------------------------------------------------------------------|-----|-----------|-----|-----|----|----|----|----|
| <br> <br>7363XXX*1 |           |  |     |           |     |     |    |    |    |    |
| A2753B/VR                                                                                                                                                                                                                                                                   | GaAsP/GaP | Hyper Red                                                                            | 624 | Red Diff. | 2.0 | 2.4 | 20 | 25 | 40 | 20 |
| A2753B/VR-I1                                                                                                                                                                                                                                                                | GaAsP/GaP | Hyper Red                                                                            | 624 | Red Diff. | 20  | 2.4 | 20 | 25 | 40 |    |

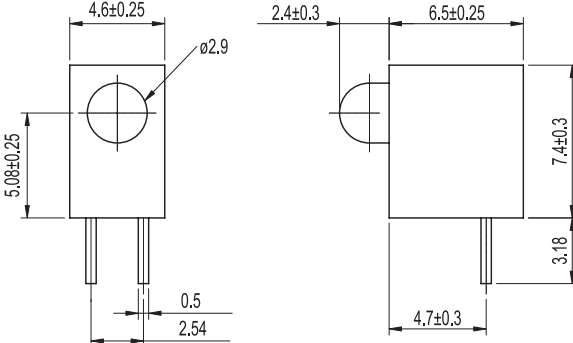
All dibasic and ternary Leds will be replaced by quaternary Led(AlInGaP) unless specifically required by customer.

| Part Number<br>EL-XXXX | Chip     |               |                     | Lens Color | V <sub>F</sub> (V) at I <sub>F</sub> = 20mA |      | I <sub>v</sub> (mcd)   |      |      | Viewing Angle<br>2θ 1/2 |
|------------------------|----------|---------------|---------------------|------------|---------------------------------------------|------|------------------------|------|------|-------------------------|
|                        | Material | Emitted Color | λ <sub>D</sub> (nm) |            | Typ.                                        | Max. | at I <sub>F</sub> = mA | Min. | Typ. |                         |

UNIT: mm

|                                                                                                                                                                                                                         |           |                                                                                    |     |              |     |     |    |    |    |    |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|------------------------------------------------------------------------------------|-----|--------------|-----|-----|----|----|----|----|
|  <div>  <span>RoHS</span> </div> <div>7363XXX*4</div> |           |  |     |              |     |     |    |    |    |    |
| A2763B/VRVG2VY                                                                                                                                                                                                          | GaP       | Green                                                                              | 570 | Green Diff.  | 2.1 | 2.4 | 20 | 25 | 40 | 60 |
|                                                                                                                                                                                                                         | GaAsP/GaP | Yellow                                                                             | 590 | Yellow Diff. | 2.0 | 2.4 | 20 | 25 | 40 |    |
|                                                                                                                                                                                                                         | GaAsP/GaP | Hi-Eff Red                                                                         | 625 | Red Diff.    | 2.0 | 2.4 | 20 | 25 | 25 |    |

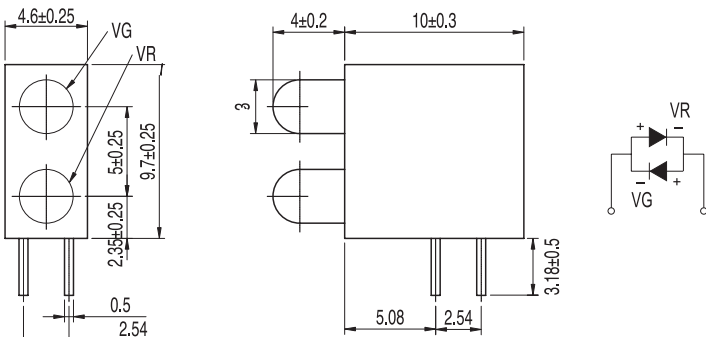
|                                                                                                                                                                                                                              |           |                                                                                     |     |              |     |     |    |    |    |    |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|-------------------------------------------------------------------------------------|-----|--------------|-----|-----|----|----|----|----|
|  <div>  <span>RoHS</span> </div> <div>7363XXXX*4</div> |           |  |     |              |     |     |    |    |    |    |
| A2763B/VRVG2VY-I1                                                                                                                                                                                                            | GaP       | Green                                                                               | 570 | Green Diff.  | 2.1 | 2.4 | 20 | 25 | 40 | 60 |
|                                                                                                                                                                                                                              | GaAsP/GaP | Yellow                                                                              | 590 | Yellow Diff. | 2.0 | 2.4 | 20 | 25 | 40 |    |
|                                                                                                                                                                                                                              | GaAsP/GaP | Hi-Eff Red                                                                          | 625 | Red Diff.    | 2.0 | 2.4 | 20 | 25 | 25 |    |

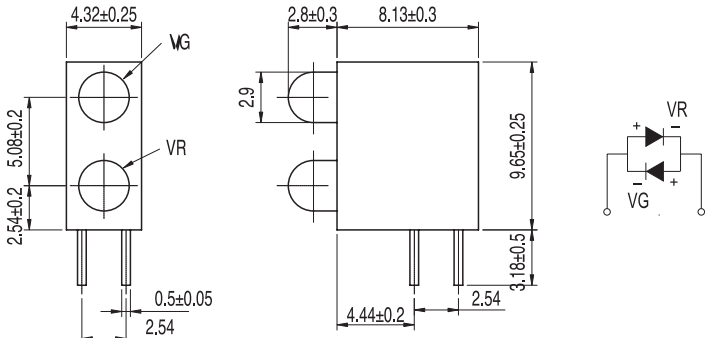
|                                                                                                                                                                                                                             |     |                                                                                      |     |             |     |     |    |    |    |    |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|--------------------------------------------------------------------------------------|-----|-------------|-----|-----|----|----|----|----|
|  <div>  <span>RoHS</span> </div> <div>7363XXX*1</div> |     |  |     |             |     |     |    |    |    |    |
| A2774B/VG                                                                                                                                                                                                                   | GaP | Green                                                                                | 571 | Green Diff. | 2.1 | 2.4 | 20 | 16 | 25 | 60 |

All dibasic and ternary Leds will be replaced by quaternary Led(AlInGaP) unless specifically required by customer.

| Part Number<br>EL-xxxx | Chip     |               |                     | Lens Color | V <sub>F</sub> (V) at I <sub>F</sub> = 20mA |      | I <sub>v</sub> (mcd)   |      |      | Viewing Angle<br>2θ 1/2 |
|------------------------|----------|---------------|---------------------|------------|---------------------------------------------|------|------------------------|------|------|-------------------------|
|                        | Material | Emitted Color | λ <sub>D</sub> (nm) |            | Typ.                                        | Max. | at I <sub>F</sub> = mA | Min. | Typ. |                         |

UNIT: mm

|                                                                                                                                                                                                        |                                                                                               |            |     |             |     |     |    |     |     |    |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|------------|-----|-------------|-----|-----|----|-----|-----|----|
| <div></div> <div><div><div><div><div></div><div>Pb</div></div></div><div>RoHS</div></div><div>4204-2XXX*2</div></div> | <div></div> |            |     |             |     |     |    |     |     |    |
| A2784B/VGV RW                                                                                                                                                                                          | GaP                                                                                           | Green      | 571 | White Diff. | 2.1 | 2.4 | 20 | 4.0 | 6.3 | 60 |
|                                                                                                                                                                                                        | GaAsP/GaP                                                                                     | Hi-Eff Red | 625 |             | 2.0 | 2.4 | 20 | 4.0 | 6.3 |    |

|                                                                                                                                                                                                                                  |           |                                                                                                |     |             |     |     |    |    |    |    |  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|------------------------------------------------------------------------------------------------|-----|-------------|-----|-----|----|----|----|----|--|
| <div></div> <div><div>RoHS</div><div>264-2XXX*2</div></div> |           | <div></div> |     |             |     |     |    |    |    |    |  |
| A2794B/VGVR                                                                                                                                                                                                                      | GaP       | Green                                                                                          | 571 | Green Diff. | 2.1 | 2.4 | 20 | 10 | 25 | 60 |  |
|                                                                                                                                                                                                                                  | GaAsP/GaP | Hi-Eff Red                                                                                     | 625 | Red Diff.   | 2.0 | 2.4 | 20 | 10 | 25 |    |  |

All dibasic and ternary Leds will be replaced by quaternary Led(AlInGaP) unless specifically required by customer.

| Part Number<br>EL-xxxx | Chip     |               |                     | Lens Color | V <sub>F</sub> (V) at I <sub>F</sub> = 20mA |      | I <sub>V</sub> (mcd)   |      |      | Viewing Angle<br>2θ 1/2 |
|------------------------|----------|---------------|---------------------|------------|---------------------------------------------|------|------------------------|------|------|-------------------------|
|                        | Material | Emitted Color | λ <sub>D</sub> (nm) |            | Typ.                                        | Max. | at I <sub>F</sub> = mA | Min. | Typ. |                         |

## 3mm Bi-Color(Multi-Color) without Common Polarity LED, T-1

UNIT: mm

|                                                                       |           |        |     |             |     |     |    |     |     |    |
|-----------------------------------------------------------------------|-----------|--------|-----|-------------|-----|-----|----|-----|-----|----|
| <p><b>Pb</b> RoHS</p> <p>* V<sub>F</sub>(V) at I<sub>F</sub>=10mA</p> |           |        |     |             |     |     |    |     |     |    |
| 204EGW                                                                | GaP       | Green  | 570 | White Diff. | 2.1 | 2.4 | 10 | 1.1 | 4.5 | 75 |
|                                                                       | GaAsP/GaP | Orange | 625 |             | 2.0 | 2.4 |    | 1.1 | 4.5 |    |
| 204HGW*                                                               | GaP       | Green  | 570 |             | 2.1 | 2.4 |    | 1.1 | 4.5 |    |
|                                                                       | GaP       | Red    | 650 |             | 2.0 | 2.4 |    | 0.4 | 1.0 |    |

## 3mm Bi-Color(Multi-Color) with Common Cathode (0.1" Lead Pitch) LED, T-1

|                                                                       |           |        |     |             |     |     |    |     |     |    |
|-----------------------------------------------------------------------|-----------|--------|-----|-------------|-----|-----|----|-----|-----|----|
| <p><b>Pb</b> RoHS</p> <p>* V<sub>F</sub>(V) at I<sub>F</sub>=10mA</p> |           |        |     |             |     |     |    |     |     |    |
| 209EGW                                                                | GaP       | Green  | 570 | White Diff. | 2.1 | 2.4 | 10 | 1   | 2   | 70 |
|                                                                       | GaAsP/GaP | Orange | 625 |             | 2.0 | 2.4 |    | 0.4 | 0.8 |    |
| 209HGW*                                                               | GaP       | Green  | 570 |             | 2.1 | 2.4 |    | 2.5 | 3.5 | 70 |
|                                                                       | GaP       | Red    | 650 |             | 2.0 | 2.4 |    | 1.5 | 2.5 |    |

## 5mm Bi-Color(Multi-Color) without Common Polarity LED, T-1 3/4

|                                                                       |           |        |     |             |     |     |    |      |     |    |
|-----------------------------------------------------------------------|-----------|--------|-----|-------------|-----|-----|----|------|-----|----|
| <p><b>Pb</b> RoHS</p> <p>* V<sub>F</sub>(V) at I<sub>F</sub>=10mA</p> |           |        |     |             |     |     |    |      |     |    |
| 336EGW                                                                | GaP       | Green  | 570 | White Diff. | 2.1 | 2.4 | 10 | 0.63 | 2.5 | 54 |
|                                                                       | GaAsP/GaP | Orange | 625 |             | 2.0 | 2.4 |    | 0.63 | 2.5 |    |
| 336HGW*                                                               | GaP       | Green  | 570 |             | 2.1 | 2.4 |    | 0.7  | 2.5 | 45 |
|                                                                       | GaP       | Red    | 625 |             | 2.0 | 2.4 |    | 0.4  | 1.1 |    |

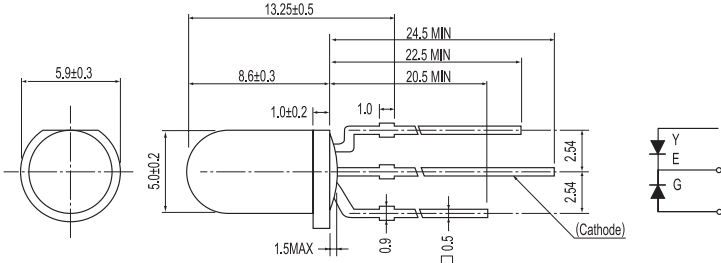
All dibasic and ternary Leds will be replaced by quaternary Led(AlInGaP) unless specifically required by customer.

# EVERLIGHT BI-COLOR (MULTI-COLOR) LED LAMP

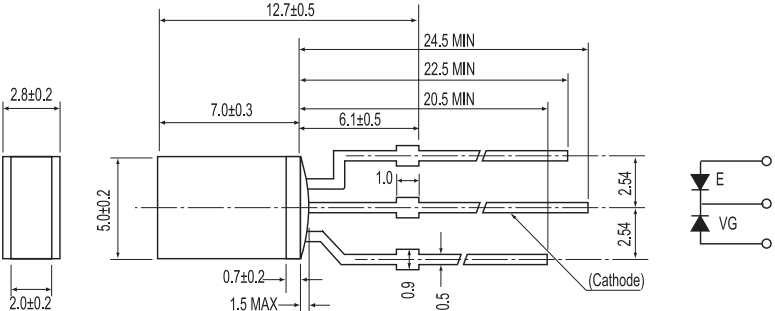
| Part Number<br>EL-xxxx | Chip     |               |                     | Lens Color | V <sub>F</sub> (V) at I <sub>F</sub> = 20mA |      | I <sub>v</sub> (mcd)   |      |      | Viewing Angle<br>2θ 1/2 |
|------------------------|----------|---------------|---------------------|------------|---------------------------------------------|------|------------------------|------|------|-------------------------|
|                        | Material | Emitted Color | λ <sub>D</sub> (nm) |            | Typ.                                        | Max. | at I <sub>F</sub> = mA | Min. | Typ. |                         |

5mm Bi-Color(Multi-Color) with Common Cathode (0.1" Lead Pitch) LED, T-1 3/4

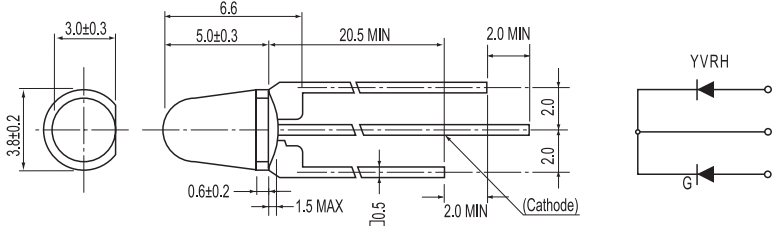
UNIT: mm

|                                                                                   |           |        |                                                                                    |                |     |     |    |     |     |    |
|-----------------------------------------------------------------------------------|-----------|--------|------------------------------------------------------------------------------------|----------------|-----|-----|----|-----|-----|----|
|  |           |        |  |                |     |     |    |     |     |    |
| 339-1YGW                                                                          | GaP       | Green  | 570                                                                                | White<br>Diff. | 2.1 | 2.4 | 10 | 2.5 | 4.0 | 50 |
|                                                                                   | GaAsP/GaP | Yellow | 590                                                                                |                | 2.0 | 2.4 |    | 2.5 | 4.0 |    |
| 339-1EVGW                                                                         | GaP       | Green  | 571                                                                                |                | 2.1 | 2.4 |    | 6.3 | 10  |    |
|                                                                                   | GaAsP/GaP | Orange | 625                                                                                |                | 2.0 | 2.4 |    | 4.0 | 6.3 |    |

2x5mm Bi-Color(Multi-Color) Rectangular with Flange LED

|                                                                                    |           |                                                                                     |     |             |     |     |    |     |     |     |
|------------------------------------------------------------------------------------|-----------|-------------------------------------------------------------------------------------|-----|-------------|-----|-----|----|-----|-----|-----|
|  |           |  |     |             |     |     |    |     |     |     |
| 519-1EVGW                                                                          | GaP       | Green                                                                               | 571 | White Diff. | 2.1 | 2.4 | 10 | 2.5 | 4.1 | 150 |
|                                                                                    | GaAsP/GaP | Orange                                                                              | 625 |             | 2.0 | 2.4 |    | 1.5 | 2.5 |     |

3mm Bi-Color(Multi-Color) with Common Cathode (2mm Lead Pitch) LED, T-1

|                                                                                                                                                         |           |            |     |                                                                                      |     |     |      |     |      |    |  |  |  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|------------|-----|--------------------------------------------------------------------------------------|-----|-----|------|-----|------|----|--|--|--|
|                                                                      |           |            |     |  |     |     |      |     |      |    |  |  |  |
| <div> RoHS</div> <div>* V<sub>F</sub>(V) at I<sub>F</sub>=10mA</div> |           |            |     |                                                                                      |     |     |      |     |      |    |  |  |  |
| 1259-7YGW                                                                                                                                               | GaP       | Green      | 570 | White Diff.                                                                          | 2.1 | 2.4 | 10   | 1   | 2    | 45 |  |  |  |
|                                                                                                                                                         | GaAsP/GaP | Yellow     | 590 |                                                                                      | 2.0 | 2.4 |      | 1   | 2    |    |  |  |  |
| 1259-7VRVGW                                                                                                                                             | GaP       | Green      | 571 |                                                                                      | 2.1 | 2.4 |      | 4   | 8    |    |  |  |  |
|                                                                                                                                                         | GaAsP/GaP | Hi-Eif Red | 625 |                                                                                      | 2.0 | 2.4 |      | 6.3 | 12.5 |    |  |  |  |
| 1259-7HGW*                                                                                                                                              | GaP       | Green      | 570 | 2.1                                                                                  | 2.4 | 1.6 | 12.5 |     |      |    |  |  |  |
|                                                                                                                                                         | GaP       | Red        | 650 | 2.0                                                                                  | 2.4 | 1.6 | 2.5  |     |      |    |  |  |  |

All dibasic and ternary Leds will be replaced by quaternary Led(AlInGaP) unless specifically required by customer.