



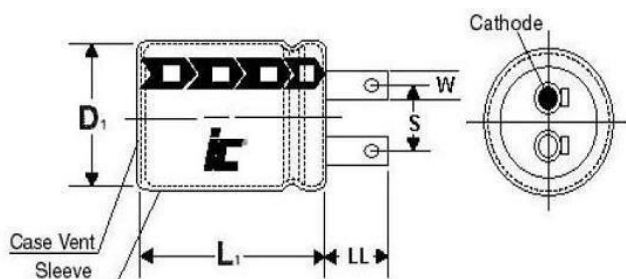
### FEATURES

High Reliability - High voltage - Long life

### APPLICATIONS

Emergency lights - Signal lights

| Operating Temperature Range                  |       | -20°C to +70°C                                                                                                                              |           |                                  |
|----------------------------------------------|-------|---------------------------------------------------------------------------------------------------------------------------------------------|-----------|----------------------------------|
| Capacitance Tolerance                        |       | -10 to+20% at 120 Hz, 25°C                                                                                                                  |           |                                  |
| Surge Voltage                                | WVDC  | 360                                                                                                                                         | 450       |                                  |
|                                              | SVDC  | 450                                                                                                                                         | 500       |                                  |
| Dissipation Factor<br>25°C, 120 Hz           | WVDC  | 360                                                                                                                                         | 450       |                                  |
|                                              | tan δ | .07                                                                                                                                         | .07       |                                  |
| Leakage Current @25°C,<br>Rated WVDC applied |       | Time                                                                                                                                        | 5 Minutes |                                  |
|                                              |       |                                                                                                                                             | 3√CV      |                                  |
| Charge/ Discharge                            |       | 1 million flashes at rated voltage applied & 45°C repeating every 30 seconds thru a Xe flash tube having a discharge resistance if 0.7~1.0Ω |           |                                  |
|                                              |       | Capacitance Change                                                                                                                          |           | ≤10% of initial measured value   |
|                                              |       | Dissipation Factor                                                                                                                          |           | ≤150% of maximum specified value |
|                                              |       | Leakage Current                                                                                                                             |           | ≤200% of maximum specified value |
| Shelf Life                                   |       | 500 hours at 70°C with no voltage applied                                                                                                   |           |                                  |
|                                              |       | Capacitance Change                                                                                                                          |           | ≤10% initial measured value      |
|                                              |       | Dissipation Factor                                                                                                                          |           | ≤150% of maximum specified value |
|                                              |       | Leakage Current                                                                                                                             |           | ≤200% of maximum specified value |



| D    | 20  | 22  | 25  | 30  | 35  | 40   |
|------|-----|-----|-----|-----|-----|------|
| α    | 0.5 | 0.5 | 1.0 | 1.0 | 1.0 | 1.0  |
| LL±2 | 11  | 11  | 11  | 11  | 11  | 11   |
| S±1  | 8   | 10  | 10  | 10  | 10  | 12.5 |
| W    | 2.6 | 2.6 | 3.0 | 3.0 | 3.0 | 3.0  |

$$D_1 = D \pm \alpha$$

$$L_1 = L \pm 2$$

# FSL

+70°C, photoflash snap in

| WVDC | Capacitance (μF) | IC PART NUMBER | Maximum ESR (Ω)<br>120 Hz,<br>+20°C | LC (μA)<br>20°C,<br>5 minutes | Dims DxL (mm) |
|------|------------------|----------------|-------------------------------------|-------------------------------|---------------|
| 360  | 60               | 606FSL360XBD   | 1.93516                             | 440.91                        | 22x30         |
| 360  | 70               | 706FSL360XBE   | 1.65871                             | 476.24                        | 22x35         |
| 360  | 70               | 706FSL360XCC   | 1.65871                             | 476.24                        | 25x25         |
| 360  | 80               | 806FSL360XBF   | 1.45137                             | 509.12                        | 22x40         |
| 360  | 80               | 806FSL360XCD   | 1.45137                             | 509.12                        | 25x30         |
| 360  | 100              | 107FSL360XBG   | 1.16109                             | 569.21                        | 22x45         |
| 360  | 100              | 107FSL360XCE   | 1.16109                             | 569.21                        | 25x35         |
| 360  | 100              | 107FSL360XDC   | 1.16109                             | 569.21                        | 30x25         |
| 360  | 120              | 127FSL360XBH   | 0.967578                            | 623.54                        | 22x50         |
| 360  | 120              | 127FSL360XCF   | 0.967578                            | 623.54                        | 25x40         |
| 360  | 120              | 127FSL360XDD   | 0.967578                            | 623.54                        | 30x30         |
| 360  | 150              | 157FSL360XBP   | 0.774062                            | 697.14                        | 22x55         |
| 360  | 150              | 157FSL360XCG   | 0.774062                            | 697.14                        | 25x45         |
| 360  | 150              | 157FSL360XDE   | 0.774062                            | 697.14                        | 30x35         |
| 360  | 180              | 187FSL360XCH   | 0.645052                            | 763.68                        | 25x50         |
| 360  | 180              | 187FSL360XDF   | 0.645052                            | 763.68                        | 30x40         |
| 360  | 180              | 187FSL360XED   | 0.645052                            | 763.68                        | 35x30         |
| 360  | 220              | 227FSL360XCZ   | 0.52777                             | 844.27                        | 25x60         |
| 360  | 220              | 227FSL360XDG   | 0.52777                             | 844.27                        | 30x45         |
| 360  | 220              | 227FSL360XEE   | 0.52777                             | 844.27                        | 35x35         |
| 360  | 270              | 277FSL360XDH   | 0.430035                            | 935.31                        | 30x50         |
| 360  | 270              | 277FSL360XEF   | 0.430035                            | 935.31                        | 35x40         |
| 360  | 330              | 337FSL360XDP   | 0.351846                            | 1034.02                       | 30x55         |
| 360  | 330              | 337FSL360XEH   | 0.351846                            | 1034.02                       | 35x50         |

| WVDC | Capacitance (μF) | IC PART NUMBER | Maximum ESR (Ω)<br>120 Hz,<br>+20°C | LC (μA)<br>20°C,<br>5 minutes | Dims DxL (mm) |
|------|------------------|----------------|-------------------------------------|-------------------------------|---------------|
| 360  | 470              | 477FSL360XEZ   | 0.247041                            | 1234.02                       | 35x60         |
| 360  | 470              | 477FSL360XFH   | 0.247041                            | 1234.02                       | 40x50         |
| 450  | 47               | 476FSL450XBE   | 2.47041                             | 436.29                        | 22x35         |
| 450  | 68               | 686FSL450XBF   | 1.70749                             | 524.79                        | 22x40         |
| 450  | 68               | 686FSL450XCD   | 1.70749                             | 524.79                        | 25x30         |
| 450  | 100              | 107FSL450XBH   | 1.16109                             | 636.4                         | 22x50         |
| 450  | 100              | 107FSL450XCF   | 1.16109                             | 636.4                         | 25x40         |
| 450  | 100              | 107FSL450XDE   | 1.16109                             | 636.4                         | 30x35         |
| 450  | 120              | 127FSL450XBP   | 0.967578                            | 697.14                        | 22x55         |
| 450  | 120              | 127FSL450XCG   | 0.967578                            | 697.14                        | 25x45         |
| 450  | 120              | 127FSL450XDF   | 0.967578                            | 697.14                        | 30x40         |
| 450  | 150              | 157FSL450XBZ   | 0.774062                            | 779.42                        | 22x60         |
| 450  | 150              | 157FSL450XCH   | 0.774062                            | 779.42                        | 25x50         |
| 450  | 150              | 157FSL450XDG   | 0.774062                            | 779.42                        | 30x45         |
| 450  | 220              | 227FSL450XCZ   | 0.52777                             | 943.93                        | 25x60         |
| 450  | 220              | 227FSL450XDP   | 0.52777                             | 943.93                        | 30x55         |
| 450  | 220              | 227FSL450XEG   | 0.52777                             | 943.93                        | 35x45         |
| 450  | 270              | 277FSL450XEP   | 0.430035                            | 1045.71                       | 35x55         |
| 450  | 270              | 277FSL450XDJ   | 0.430035                            | 1045.71                       | 35x65         |
| 450  | 330              | 337FSL450XEM   | 0.351846                            | 1156.07                       | 35x80         |
| 450  | 330              | 337FSL450XFP   | 0.351846                            | 1156.07                       | 40x55         |
| 450  | 470              | 477FSL450XEQ   | 0.247041                            | 1379.67                       | 35x75         |
| 450  | 470              | 477FSL450XFJ   | 0.247041                            | 1379.67                       | 40x65         |

Americas / EU  
Phone: 1-508-996-8561  
Email: cdena@cde.com



Asia  
Phone: 852-2793-0931  
Email: cdeasia@cde.com