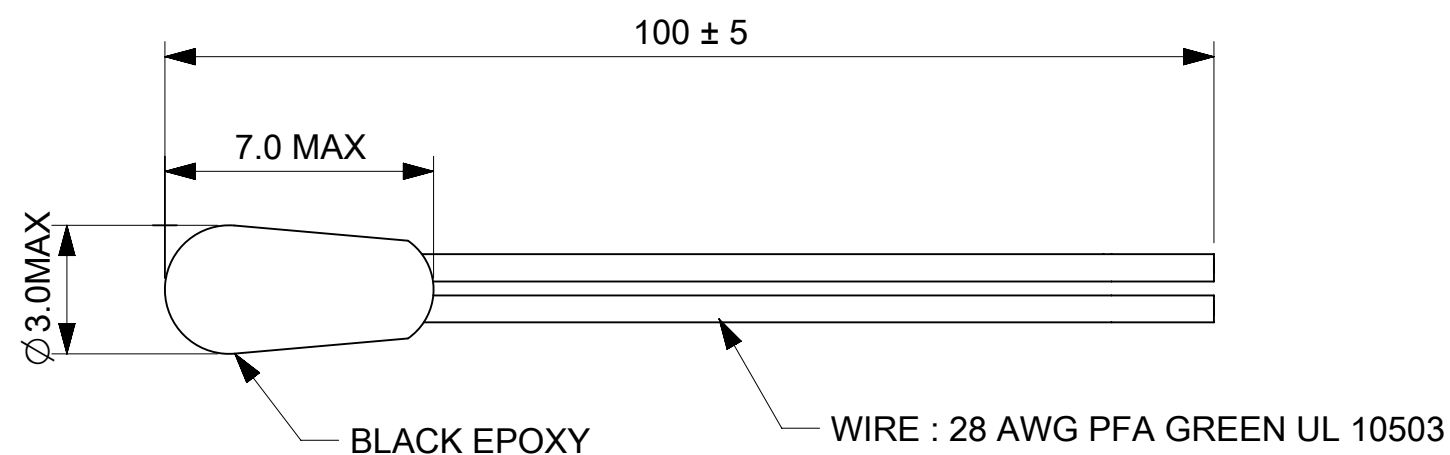




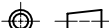
NOTES:

1. RESISTANCE @ 25°C : 10KΩ±1%
2. BETA VALUE (0/50°C) : 3600K±1%
3. OPERATING TEMPERATURE RANGE : -40°C TO +135°C.
4. DISSIPATION FACTOR : 1.5mW/°C
5. THERMAL TIME CONSTANT : LESS THAN 3SECONDS IN WATER
- 6.INSULATION RESISTANCE : 10MΩ AT 100 VDC

### RESISTANCE VS TEMPERATURE CHARACTERISTICS:

| Temp(°C) | R min (KΩ) | R nom (KΩ) | R max (KΩ) |
|----------|------------|------------|------------|
| -40      | 246.7      | 257.4      | 268.5      |
| -35      | 182.8      | 190.1      | 197.8      |
| -30      | 136.9      | 142.0      | 147.3      |
| -25      | 103.6      | 107.1      | 110.8      |
| -20      | 79.090     | 81.580     | 84.150     |
| -15      | 60.950     | 62.700     | 64.500     |
| -10      | 47.360     | 48.610     | 49.870     |
| -5       | 37.100     | 37.980     | 38.870     |
| 0        | 29.280     | 29.900     | 30.530     |
| 5        | 23.250     | 23.680     | 24.130     |
| 10       | 18.590     | 18.900     | 19.210     |
| 15       | 14.970     | 15.190     | 15.400     |
| 20       | 12.140     | 12.280     | 12.430     |
| 25       | 9.900      | 10.000     | 10.100     |
| 30       | 8.092      | 8.190      | 8.288      |
| 35       | 6.652      | 6.746      | 6.840      |
| 40       | 5.499      | 5.587      | 5.676      |
| 45       | 4.569      | 4.651      | 4.734      |

| Temp(°C) | R min (KΩ) | R nom (KΩ) | R max (KΩ) |
|----------|------------|------------|------------|
| 50       | 3.816      | 3.891      | 3.967      |
| 55       | 3.202      | 3.270      | 3.340      |
| 60       | 2.698      | 2.761      | 2.825      |
| 65       | 2.284      | 2.341      | 2.399      |
| 70       | 1.941      | 1.993      | 2.045      |
| 75       | 1.656      | 1.703      | 1.751      |
| 80       | 1.419      | 1.461      | 1.504      |
| 85       | 1.221      | 1.259      | 1.298      |
| 90       | 1.054      | 1.088      | 1.124      |
| 95       | 0.913      | 0.944      | 0.977      |
| 100      | 0.794      | 0.822      | 0.851      |
| 105      | 0.692      | 0.718      | 0.745      |
| 110      | 0.606      | 0.629      | 0.653      |
| 115      | 0.531      | 0.552      | 0.574      |
| 120      | 0.467      | 0.487      | 0.507      |
| 125      | 0.412      | 0.430      | 0.448      |
| 130      | 0.357      | 0.373      | 0.389      |
| 135      | 0.302      | 0.316      | 0.330      |

|                                                                                                                                               |                                                                                                                                                                                                                                                                                                               |  |                                                                                       |  |                                                                            |  |                                                                                                       |  |  |                                                           |  |        |  |                 |  |          |  |              |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|---------------------------------------------------------------------------------------|--|----------------------------------------------------------------------------|--|-------------------------------------------------------------------------------------------------------|--|--|-----------------------------------------------------------|--|--------|--|-----------------|--|----------|--|--------------|--|
| THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                                                                                                                                                                                                                                                                                                               |  |                                                                                       |  |                                                                            |  |                                                                                                       |  |  |                                                           |  |        |  |                 |  |          |  |              |  |
| FUNCTIONAL SYMBOLS                                                                                                                            | DIMENSION UNITS                                                                                                                                                                                                                                                                                               |  | SCALE                                                                                 |  | CURRENT REV DESC:                                                          |  |                                                                                                       |  |  | <div>molex</div> <div>NTC EPOXY - 3600 100MM 10K 1%</div> |  |        |  |                 |  |          |  |              |  |
|                                                                                                                                               | mm                                                                                                                                                                                                                                                                                                            |  | NTS                                                                                   |  |                                                                            |  |                                                                                                       |  |  |                                                           |  |        |  |                 |  |          |  |              |  |
|                                                                                                                                               | GENERAL TOLERANCES (UNLESS SPECIFIED)                                                                                                                                                                                                                                                                         |  |                                                                                       |  |                                                                            |  |                                                                                                       |  |  |                                                           |  |        |  |                 |  |          |  |              |  |
|                                                                                                                                               | ANGULAR TOL ± °                                                                                                                                                                                                                                                                                               |  |                                                                                       |  |                                                                            |  |                                                                                                       |  |  |                                                           |  |        |  |                 |  |          |  |              |  |
| DIVISIONAL SYMBOLS                                                                                                                            | <div><div><div><div><div><div></div></div></div><div><div><div></div></div></div></div><div><div><div></div></div></div></div><div><div><div></div></div></div></div> <div><div><div></div></div></div> <div><div><div></div></div></div> <div><div><div></div></div></div> <div><div><div></div></div></div> |  | 4 PLACES                                                                              |  | ±                                                                          |  | EC NO: 657230<br>DRWN: RAVIKM 2021/03/04<br>CHK'D: RBBHASKAR 2021/03/05<br>APPR: RBBHASKAR 2021/03/05 |  |  |                                                           |  |        |  |                 |  |          |  |              |  |
|                                                                                                                                               | 3 PLACES                                                                                                                                                                                                                                                                                                      |  | ±                                                                                     |  |                                                                            |  |                                                                                                       |  |  |                                                           |  |        |  |                 |  |          |  |              |  |
|                                                                                                                                               | 2 PLACES                                                                                                                                                                                                                                                                                                      |  | ±                                                                                     |  |                                                                            |  |                                                                                                       |  |  |                                                           |  |        |  |                 |  |          |  |              |  |
|                                                                                                                                               | 1 PLACE                                                                                                                                                                                                                                                                                                       |  | ±                                                                                     |  |                                                                            |  |                                                                                                       |  |  |                                                           |  |        |  |                 |  |          |  |              |  |
|                                                                                                                                               | 0 PLACES                                                                                                                                                                                                                                                                                                      |  | ±                                                                                     |  | INITIAL REVISION:<br>DRWN: RAVIKM 2021/03/04<br>APPR: RBBHASKAR 2021/03/05 |  |                                                                                                       |  |  |                                                           |  |        |  |                 |  |          |  |              |  |
|                                                                                                                                               | DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS                                                                                                                                                                                                                                                          |  | THIRD ANGLE PROJECTION                                                                |  |                                                                            |  |                                                                                                       |  |  | DRAWING                                                   |  | SERIES |  | MATERIAL NUMBER |  | CUSTOMER |  | SHEET NUMBER |  |
|                                                                                                                                               |                                                                                                                                                                                                                                                                                                               |  |  |  |                                                                            |  |                                                                                                       |  |  | A3-SIZE                                                   |  | 215270 |  | 2152703607      |  | OTS      |  | 1 OF 1       |  |
|                                                                                                                                               |                                                                                                                                                                                                                                                                                                               |  |                                                                                       |  |                                                                            |  |                                                                                                       |  |  |                                                           |  |        |  |                 |  |          |  |              |  |