



1. RESISTANCE @ 25°C : 100K±1%
2. BETA VALUE (0/50°C) : 3892K±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

| Temp(°C) | R min (KΩ) | R nom (KΩ) | R max (KΩ) |
|----------|------------|------------|------------|
| -40      | 3081.0     | 3222.0     | 3369.0     |
| -35      | 2247.0     | 2343.0     | 2442.0     |
| -30      | 1657.0     | 1722.0     | 1789.0     |
| -25      | 1233.0     | 1278.0     | 1324.0     |
| -20      | 926.6      | 957.3      | 989.0      |
| -15      | 700.1      | 721.3      | 743.0      |
| -10      | 533.8      | 548.4      | 563.4      |
| -5       | 410.4      | 420.6      | 430.9      |
| 0        | 318.1      | 325.2      | 332.3      |
| 5        | 248.3      | 253.2      | 258.1      |
| 10       | 195.3      | 198.6      | 202.0      |
| 15       | 154.7      | 157.0      | 159.3      |
| 20       | 123.4      | 124.9      | 126.4      |
| 25       | 99.000     | 100.000    | 101.000    |
| 30       | 79.590     | 80.570     | 81.550     |
| 35       | 64.360     | 65.290     | 66.220     |
| 40       | 52.340     | 53.200     | 54.070     |
| 45       | 42.790     | 43.580     | 44.380     |

| Temp(°C) | R min (KΩ) | R nom (KΩ) | R max (KΩ) |
|----------|------------|------------|------------|
| 50       | 35.160     | 35.880     | 36.610     |
| 55       | 29.060     | 29.710     | 30.380     |
| 60       | 24.140     | 24.730     | 25.330     |
| 65       | 20.150     | 20.670     | 21.210     |
| 70       | 16.890     | 17.360     | 17.850     |
| 75       | 14.220     | 14.640     | 15.080     |
| 80       | 12.020     | 12.400     | 12.790     |
| 85       | 10.210     | 10.550     | 10.900     |
| 90       | 8.705      | 9.007      | 9.319      |
| 95       | 7.449      | 7.719      | 7.999      |
| 100      | 6.396      | 6.638      | 6.889      |
| 105      | 5.511      | 5.728      | 5.954      |
| 110      | 4.764      | 4.959      | 5.162      |
| 115      | 4.132      | 4.307      | 4.489      |
| 120      | 3.594      | 3.751      | 3.915      |
| 125      | 3.135      | 3.277      | 3.425      |
| 130      | 2.676      | 2.803      | 2.935      |
| 135      | 2.217      | 2.329      | 2.445      |

| FUNCTIONAL SYMBOLS                                                               |  | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |  |       |  |                                                                                                                                                           |  |        |  |                                                      |  |          |  |              |  |          |  |
|----------------------------------------------------------------------------------|--|-----------------------------------------------------------------------------------------------------------------------------------------------|--|-------|--|-----------------------------------------------------------------------------------------------------------------------------------------------------------|--|--------|--|------------------------------------------------------|--|----------|--|--------------|--|----------|--|
| <div><div><div><div></div><div></div><div></div></div></div><div>= 0</div></div> |  | DIMENSION UNITS                                                                                                                               |  | SCALE |  | CURRENT REV DESC:<br><br>EC NO: 657230<br>DRWN: RAVIKM<br>CHK'D: RBBHASKAR<br>APPR: RBBHASKAR<br><br>INITIAL REVISION:<br>DRWN: RAVIKM<br>APPR: RBBHASKAR |  |        |  | <div>molex</div><br><br>NTC EPOXY - 3892 40MM 100K1% |  |          |  |              |  |          |  |
| mm                                                                               |  | NTS                                                                                                                                           |  |       |  |                                                                                                                                                           |  |        |  |                                                      |  |          |  |              |  |          |  |
| GENERAL TOLERANCES (UNLESS SPECIFIED)                                            |  |                                                                                                                                               |  |       |  |                                                                                                                                                           |  |        |  |                                                      |  |          |  |              |  |          |  |
| <div><div><div><div></div><div></div><div></div></div></div><div>= 0</div></div> |  | ANGULAR TOL    ±       °                                                                                                                      |  |       |  |                                                                                                                                                           |  |        |  | 2021/03/04                                           |  |          |  |              |  |          |  |
| <div><div><div><div></div><div></div><div></div></div></div><div>= 0</div></div> |  | 4 PLACES                                                                                                                                      |  | ±     |  |                                                                                                                                                           |  |        |  | 2021/03/05                                           |  |          |  |              |  |          |  |
| DIVISIONAL SYMBOLS                                                               |  | 3 PLACES                                                                                                                                      |  | ±     |  | 2021/03/05                                                                                                                                                |  |        |  | PRODUCT CUSTOMER DRAWING                             |  |          |  |              |  |          |  |
|                                                                                  |  | 2 PLACES                                                                                                                                      |  | ±     |  | 2021/03/05                                                                                                                                                |  |        |  | DOCUMENT NUMBER                                      |  | DOC TYPE |  | DOC PART     |  | REVISION |  |
|                                                                                  |  | 1 PLACE                                                                                                                                       |  | ±     |  | 2021/03/04                                                                                                                                                |  |        |  | 2152723005                                           |  | PSD      |  | 000          |  | A        |  |
|                                                                                  |  | 0 PLACES                                                                                                                                      |  | ±     |  | 2021/03/05                                                                                                                                                |  |        |  |                                                      |  |          |  |              |  |          |  |
| DRAWF WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS                       |  | THIRD ANGLE PROJECTION                                                                                                                        |  |       |  | DRAWING                                                                                                                                                   |  | SERIES |  | MATERIAL NUMBER                                      |  | CUSTOMER |  | SHEET NUMBER |  |          |  |
|                                                                                  |  |                                                                                                                                               |  |       |  | A3-SIZE                                                                                                                                                   |  | 215272 |  | 2152723005                                           |  | OTS      |  | 1 OF 1       |  |          |  |