



**RESISTANCE VS TEMPERATURE CHARACTERISTICS:**

| Temp(°C) | R min (KΩ) | R nom (KΩ) | R max (KΩ) | Temp(°C) | R min (KΩ) | R nom (KΩ) | R max (KΩ) |
|----------|------------|------------|------------|----------|------------|------------|------------|
| -40      | 138.3      | 144.5      | 151        | 50       | 1.654      | 1.688      | 1.723      |
| -35      | 102.3      | 106.6      | 111.1      | 55       | 1.369      | 1.400      | 1.431      |
| -30      | 76.33      | 79.31      | 82.40      | 60       | 1.138      | 1.166      | 1.194      |
| -25      | 57.39      | 59.46      | 61.59      | 65       | 0.951      | 0.976      | 1.002      |
| -20      | 43.46      | 44.90      | 46.39      | 70       | 0.799      | 0.821      | 0.844      |
| -15      | 32.88      | 33.87      | 34.89      | 75       | 0.674      | 0.694      | 0.714      |
| -10      | 25.09      | 25.78      | 26.48      | 80       | 0.571      | 0.589      | 0.607      |
| -5       | 19.30      | 19.78      | 20.27      | 85       | 0.486      | 0.502      | 0.519      |
| 0        | 14.97      | 15.30      | 15.64      | 90       | 0.416      | 0.430      | 0.445      |
| 5        | 11.68      | 11.91      | 12.14      | 95       | 0.357      | 0.370      | 0.383      |
| 10       | 9.18       | 9.34       | 9.50       | 100      | 0.308      | 0.319      | 0.331      |
| 15       | 7.27       | 7.38       | 7.49       | 105      | 0.266      | 0.277      | 0.287      |
| 20       | 5.80       | 5.87       | 5.94       | 110      | 0.231      | 0.240      | 0.250      |
| 25       | 4.65       | 4.70       | 4.75       | 115      | 0.201      | 0.210      | 0.218      |
| 30       | 3.74       | 3.79       | 3.83       | 120      | 0.176      | 0.183      | 0.191      |
| 35       | 3.03       | 3.07       | 3.11       | 125      | 0.154      | 0.161      | 0.168      |
| 40       | 2.46       | 2.50       | 2.54       | 130      | 0.134      | 0.141      | 0.143      |
| 45       | 2.01       | 2.05       | 2.09       | 135      | 0.114      | 0.121      | 0.118      |

**NOTES:**

1. RESISTANCE @ 25°C : 4.7KΩ±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

|                    |   |   |                        |  |                               |  |  |
|--------------------|---|---|------------------------|--|-------------------------------|--|--|
| FUNCTIONAL SYMBOLS | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |   | CURRENT REV DESC:      |  | <b>molex</b>                  |  |  |
|                    | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                        |  |                               |  |  |
| FUNCTIONAL SYMBOLS | mm  | NTS   | EC NO: 657230          |  | NTC EPOXY - 3892 100MM 4.7K1% |  |  |
| FUNCTIONAL SYMBOLS | GENERAL TOLERANCES (UNLESS SPECIFIED)   |   | DRWN: RAVIKM           |  | 2021/03/04                    |  |  |
| FUNCTIONAL SYMBOLS | ANGULAR TOL ± °   |   | CHK'D: RBBHASKAR       |  | 2021/03/05                    |  |  |
| DIVISIONAL SYMBOLS | 4 PLACES ±  |   | APPR: RBBHASKAR        |  | 2021/03/05                    |  |  |
| DIVISIONAL SYMBOLS | 3 PLACES ±  |   | INITIAL REVISION:      |  | DOCUMENT NUMBER               |  |  |
| DIVISIONAL SYMBOLS | 2 PLACES ±  |   | DRWN: RAVIKM           |  | 2152723407                    |  |  |
| DIVISIONAL SYMBOLS | 1 PLACE ±   |   | APPR: RBBHASKAR        |  | PSD 000 A                     |  |  |
| DIVISIONAL SYMBOLS | 0 PLACES ±  |   | 2021/03/04             |  | REVISION                      |  |  |
| DIVISIONAL SYMBOLS | 2021/03/05  |   | MATERIAL NUMBER        |  | SHEET NUMBER                  |  |  |
| DIVISIONAL SYMBOLS | DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS  |   | THIRD ANGLE PROJECTION |  | CUSTOMER                      |  |  |
| DIVISIONAL SYMBOLS | DRAWING   |   | SERIES                 |  | 1 OF 1                        |  |  |
| DIVISIONAL SYMBOLS | A3-SIZE   |   | 215272                 |  | 2152723407                    |  |  |
| DIVISIONAL SYMBOLS | 2152723407  |   | OTS                    |  | 1 OF 1                        |  |  |