



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 | 291.2 | 304.4 | 318.1 | 50 | 3.49 | 3.561 | 3.634 |
| -35 | 213.6 | 222.6 | 231.9 | 55 | 2.879 | 2.944 | 3.01 |
| -30 | 158.3 | 164.4 | 170.8 | 60 | 2.388 | 2.446 | 2.505 |
| -25 | 118.4 | 122.6 | 127 | 65 | 1.989 | 2.041 | 2.095 |
| -20 | 89.39 | 92.32 | 95.34 | 70 | 1.664 | 1.711 | 1.759 |
| -15 | 68.17 | 70.21 | 72.31 | 75 | 1.399 | 1.44 | 1.483 |
| -10 | 52.38 | 53.81 | 55.27 | 80 | 1.18 | 1.217 | 1.256 |
| -5 | 40.53 | 41.53 | 42.55 | 85 | 1.001 | 1.034 | 1.069 |
| 0 | 31.58 | 32.27 | 32.98 | 90 | 0.853 | 0.882 | 0.913 |
| 5 | 24.72 | 25.2 | 25.69 | 95 | 0.729 | 0.756 | 0.783 |
| 10 | 19.48 | 19.82 | 20.15 | 100 | 0.625 | 0.649 | 0.674 |
| 15 | 15.46 | 15.68 | 15.91 | 105 | 0.539 | 0.56 | 0.582 |
| 20 | 12.33 | 12.49 | 12.64 | 110 | 0.465 | 0.484 | 0.504 |
| 25 | 9.9 | 10 | 10.1 | 115 | 0.403 | 0.42 | 0.438 |
| 30 | 7.955 | 8.053 | 8.151 | 120 | 0.351 | 0.366 | 0.382 |
| 35 | 6.427 | 6.52 | 6.613 | 125 | 0.306 | 0.32 | 0.334 |
| 40 | 5.218 | 5.304 | 5.392 | 130 | 0.261 | 0.274 | 0.286 |
| 45 | 4.257 | 4.337 | 4.417 | 135 | 0.216 | 0.228 | 0.238 |

NOTES:

1. RESISTANCE @ 25°C : 10KΩ±2%
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: | | molex | | | | | |
| | △/A = 0 | mm NTS | | | | | | | | |
| DIVISIONAL SYMBOLS | GENERAL TOLERANCES (UNLESS SPECIFIED) | | EC NO: 657230 DRWN: RAVIKM CHK'D: RBBHASKAR APPR: RBBHASKAR | | PRODUCT CUSTOMER DRAWING | | | | | |
| | △/E = 0 | ANGULAR TOL ± ° | | | | | | | | |
| DIVISIONAL SYMBOLS | △/V = 0 | 4 PLACES ± | INITIAL REVISION: DRWN: RAVIKM APPR: RBBHASKAR | | DOCUMENT NUMBER | | DOC TYPE | DOC PART | REVISION | |
| | | 3 PLACES ± | | | 2152725607 | | PSD | 000 | A | |
| | | 2 PLACES ± | | | 2021/03/03 | | MATERIAL NUMBER | | CUSTOMER | |
| | | 1 PLACE ± | | | 2021/03/05 | | 2152725607 | | OTS | |
| | 0 PLACES ± | DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS | | THIRD ANGLE PROJECTION | DRAWING | SERIES | SHEET NUMBER | | | |
| | | | | ⊕ | A3-SIZE | 215272 | 1 OF 1 | | | |