



LASER MARKING DETAILS

| | |
|----------------|---------|
| R25 X YR/WK | |
| B VALUE | CODE(X) |
| 3982 | MD |

RESISTANCE VS TEMP CHARACTERISTICS:

| Temp(°C) | R min (KΩ) | R nom (KΩ) | R max (KΩ) | Temp(°C) | R min (KΩ) | R nom (KΩ) | R max (KΩ) |
|----------|------------|------------|------------|----------|------------|------------|------------|
| -40 | 276.7 | 290.5 | 305.0 | 50 | 3.529 | 3.619 | 3.711 |
| -35 | 203.1 | 212.6 | 222.5 | 55 | 2.920 | 3.000 | 3.082 |
| -30 | 150.7 | 157.3 | 164.1 | 60 | 2.427 | 2.498 | 2.571 |
| -25 | 113.0 | 117.5 | 122.3 | 65 | 2.027 | 2.090 | 2.155 |
| -20 | 85.470 | 88.690 | 92.000 | 70 | 1.700 | 1.756 | 1.813 |
| -15 | 65.210 | 67.480 | 69.810 | 75 | 1.431 | 1.481 | 1.532 |
| -10 | 50.180 | 51.790 | 53.440 | 80 | 1.210 | 1.254 | 1.300 |
| -5 | 38.940 | 40.080 | 41.250 | 85 | 1.028 | 1.067 | 1.108 |
| 0 | 30.440 | 31.260 | 32.090 | 90 | 0.877 | 0.912 | 0.948 |
| 5 | 24.020 | 24.600 | 25.200 | 95 | 0.750 | 0.782 | 0.814 |
| 10 | 19.060 | 19.480 | 19.910 | 100 | 0.645 | 0.672 | 0.701 |
| 15 | 15.220 | 15.520 | 15.820 | 105 | 0.556 | 0.580 | 0.606 |
| 20 | 12.210 | 12.420 | 12.640 | 110 | 0.480 | 0.502 | 0.525 |
| 25 | 9.850 | 10.000 | 10.150 | 115 | 0.417 | 0.436 | 0.457 |
| 30 | 7.950 | 8.088 | 8.227 | 120 | 0.362 | 0.380 | 0.399 |
| 35 | 6.447 | 6.573 | 6.699 | 125 | 0.316 | 0.332 | 0.349 |
| 40 | 5.252 | 5.365 | 5.479 | 130 | 0.270 | 0.284 | 0.299 |
| 45 | 4.296 | 4.397 | 4.500 | 135 | 0.224 | 0.236 | 0.249 |

NOTES:

1. RESISTANCE TOLERANCE @ 25°C : 10KΩ±2%.
3. B-VALUE(25/85°C) : 3982K±1%.
4. OPERATING TEMPERATURE RANGE : -40°C TO +105°C.
5. RING TERMINAL MOUNTING HOLE DIAMETER : 3.7MM.
6. TERMINAL IS NICKEL PLATED COPPER.
7. VOLTAGE BREAKDOWN STRENGTH : MIN 1500VAC FOR 3SEC BETWEEN CONDUCTOR AND EYELET/RING LUG
8. RESPONCE TIME : APPROX 10 SECOND IN LIQUID MEDIUM
- 9.INSULATION RESISTANCE :MINIMUM OF 100MOHM @ 500VOLTS DC IN METALIC BALLS.

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|--|---|-----------------------------|-------------------------|--------------------------|--|----------------------------|--|
| 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: | | | | |
| | mm | NTS | | | | | |
| DIVISIONAL SYMBOLS | GENERAL TOLERANCES (UNLESS SPECIFIED) | | EC NO: 657688 | | NTC RING CABLE - 3982 M3.5, 75MM,10K, 2% | | |
| | ANGULAR TOL ± ° | | DRWN: RAVIKM 2021/03/09 | | | | |
| 4 PLACES ± | | CHK'D: RBBHASKAR 2021/03/17 | | PRODUCT CUSTOMER DRAWING | | | |
| 3 PLACES ± | | APPR: RBBHASKAR 2021/03/17 | | DOCUMENT NUMBER | | | |
| 2 PLACES ± | | INITIAL REVISION: | | 2138652633 | | DOC TYPE DOC PART REVISION | |
| 1 PLACE ± | | DRWN: RAVIKM 2021/03/09 | | PSD | | 000 A | |
| 0 PLACES ± | | APPR: RBBHASKAR 2021/03/17 | | SERIES | | SHEET NUMBER | |
| DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS | | THIRD ANGLE PROJECTION | | DRAWING | | MATERIAL NUMBER | |
| | | | | A3-SIZE | | 213865 | |
| | | | | CUSTOMER | | CUSTOMER | |
| | | | | 2138652633 | | OTS | |
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