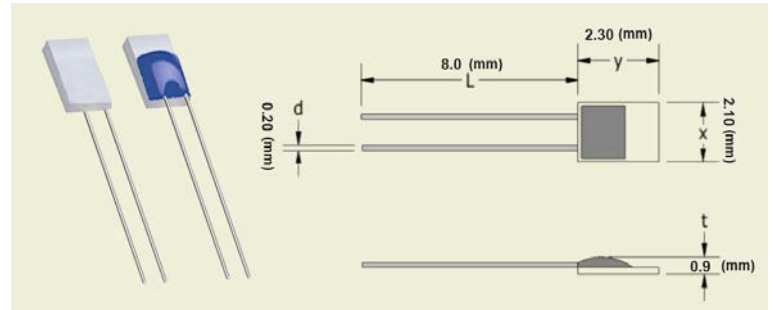


RPT1003M THIN FILM PLATINUM RTD ELEMENT

- * 1000 ohms at 0°C
- * 3850 ppm/K Temp. Coefficient of Resistance
- * Temperature Range -70°C to +500°C
- * Can be used up to 550°C intermittent
- * Designed for large quantity applications



| STI PART NUMBER | DIN CLASS |
|-----------------|-----------|
| RPT1003MB1 | B |
| RPT1003M2B1 | 2B |

| DIMENSIONS | (mm) |
|------------|------|
| x | 2.10 |
| y | 2.30 |
| t | 0.9 |
| L | 8.0 |
| d | 0.20 |

| (°C) | Resistance (Ω) | DIN Class B | | DIN Class 2B | |
|------|----------------|-------------|--------|--------------|--------|
| | | ± °C | ± ohms | ± °C | ± ohms |
| -50 | 808 | 0.55 | | 1.10 | |
| -25 | 904 | 0.43 | | 0.86 | |
| 0 | 1,000 | 0.30 | | 0.60 | |
| 25 | 1,095 | 0.43 | | 0.86 | |
| 50 | 1,189 | 0.55 | | 1.10 | |
| 75 | 1,282 | 0.68 | | 1.36 | |
| 100 | 1,375 | 0.80 | | 1.60 | |
| 125 | 1,467 | 0.93 | | 1.86 | |
| 150 | 1,558 | 1.05 | | 2.10 | |
| 175 | 1,648 | 1.18 | | 2.36 | |
| 200 | 1,738 | 1.30 | | 2.60 | |
| 225 | 1,827 | 1.43 | | 2.86 | |
| 250 | 1,915 | 1.55 | | 3.10 | |
| 275 | 2,002 | 1.68 | | 3.36 | |
| 300 | 2,089 | 1.80 | | 3.60 | |
| 325 | 2,175 | 1.93 | | 3.86 | |
| 350 | 2,260 | 2.05 | | 4.10 | |
| 375 | 2,344 | 2.18 | | 4.36 | |
| 400 | 2,427 | 2.30 | | 4.60 | |
| 425 | 2,510 | 2.43 | | 4.86 | |
| 450 | 2,592 | 2.55 | | 5.10 | |
| 475 | 2,674 | 2.68 | | 5.36 | |
| 500 | 2,755 | 2.80 | | 5.60 | |

** This table available in other temperature ranges and increments.

- * Lead wire material is platinum clad nickel
Suitable for welding, crimping or brazing
- * Suggested measuring current:
0.1 mA to 0.3 mA to prevent self-heating
- * Operating temperature range (continuous):
DIN Class B: -70°C to +500°C
DIN Class 2B: -70°C to +500°C

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