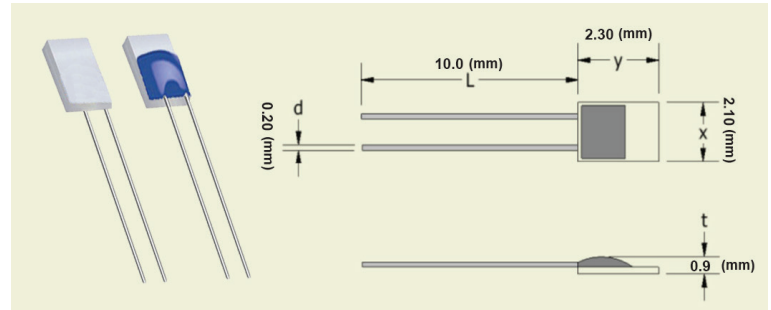


## RPT1002M THIN FILM PLATINUM RTD ELEMENT

- \* 100 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
RPT1002MA1	A
RPT1002MB1	B
RPT1002MC1	1/3 B

DIMENSIONS	(mm)
x	2.10
y	2.30
t	0.9
L	10.0
d	0.20

(°C)	Resistance (Ω)	DIN Class A		DIN Class B	
		± °C	± Ω	± °C	± Ω
-50	80.31	0.25	0.10	0.55	0.22
-25	90.19	0.20	0.08	0.43	0.17
0	100.00	0.15	0.06	0.30	0.12
25	109.74	0.20	0.08	0.43	0.13
50	119.40	0.25	0.10	0.55	0.21
75	128.99	0.30	0.11	0.68	0.26
100	138.51	0.35	0.13	0.80	0.30
125	147.95	0.40	0.15	0.93	0.35
150	157.33	0.45	0.17	1.05	0.39
175	166.63	0.50	0.19	1.18	0.44
200	175.86	0.55	0.20	1.30	0.48
225	185.01	0.60	0.22	1.43	0.52
250	194.10	0.65	0.24	1.55	0.56
275	203.11	0.70	0.25	1.68	0.60
300	212.05	0.75	0.27	1.80	0.64
325	220.92	0.80	0.28	1.93	0.68
350	229.72	0.85	0.30	2.05	0.72
375	238.44	0.90	0.31	2.18	0.76
400	247.09	0.95	0.33	2.30	0.79
425	255.67	1.00	0.34	2.43	0.83
450	264.18	1.05	0.36	2.55	0.86
475	272.61	1.10	0.37	2.68	0.90
500	280.98	1.15	0.38	2.80	0.93

\*\* 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:  
0.3 mA to 1.0 mA to prevent self-heating
- \* Operating temperature range (continuous):  
DIN Class B: -70°C to +500°C  
DIN Class A: -50°C to +300°C  
DIN Class 1/3B: 0°C to +150°C

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