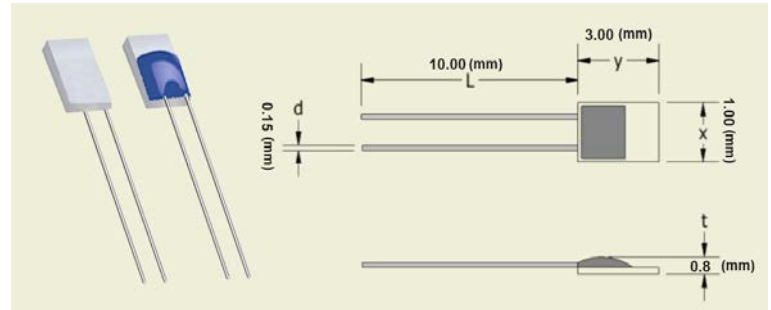


## RPT1003R THIN FILM PLATINUM RTD ELEMENT

- \* 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
RPT1003RA1	A
RPT1003RB1	B
RPT1003RC1	1/3 B

DIMENSIONS	(mm)
x	1.00
y	3.00
t	0.8
L	10.0
d	0.15

(°C)	Resistance (Ω)	DIN Class A		DIN Class B	
		± °C	± ohms	± °C	± ohms
-50	803	0.25	0.99	0.55	2.18
-25	902	0.20	0.79	0.43	1.67
0	1,000	0.15	0.59	0.30	1.17
25	1,097	0.20	0.77	0.43	1.65
50	1,194	0.25	0.96	0.55	2.12
75	1,290	0.30	1.15	0.68	2.58
100	1,385	0.35	1.33	0.80	3.03
125	1,479	0.40	1.51	0.93	3.48
150	1,573	0.45	1.68	1.05	3.92
175	1,666	0.50	1.85	1.18	4.36
200	1,758	0.55	2.02	1.30	4.78
225	1,850	0.60	2.19	1.43	5.20
250	1,941	0.65	2.35	1.55	5.61
275	2,031	0.70	2.51	1.68	6.01
300	2,120	0.75	2.67	1.80	6.41
325	2,209	0.80	2.83	1.93	6.80
350	2,297	0.85	2.98	2.05	7.18
375	2,384	0.90	3.13	2.18	7.56
400	2,471	0.95	3.27	2.30	7.93
425	2,557	1.00	3.42	2.43	8.29
450	2,642	1.05	3.56	2.55	8.64
475	2,726	1.10	3.70	2.68	8.99
500	2,810	1.15	3.83	2.80	9.33

\*\* 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 A: -50°C to +300°C  
DIN Class 1/3B: 0°C to +150°C

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