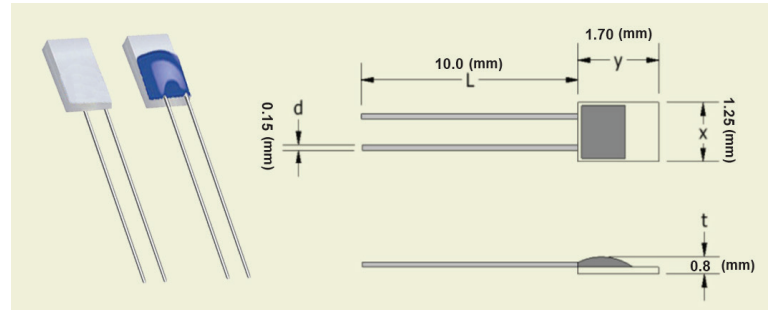


## RPT1003G THIN FILM PLATINUM RTD ELEMENT

- \* 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
RPT1003GA1	A
RPT1003GB1	B
RPT1003GC1	1/3 B

DIMENSIONS	(mm)
x	1.25
y	1.70
t	0.8
L	10.0
d	0.15

(°C)	Resistance (Ω)	DIN Class A		DIN Class B	
		± °C	± ohms	± °C	± ohms
-50	803.14	0.25	0.99	0.55	2.18
-25	901.93	0.20	0.79	0.43	1.67
0	1000.00	0.15	0.59	0.30	1.17
25	1097.35	0.20	0.77	0.43	1.65
50	1193.97	0.25	0.96	0.55	2.12
75	1289.87	0.30	1.15	0.68	2.58
100	1385.06	0.35	1.33	0.80	3.03
125	1479.51	0.40	1.51	0.93	3.48
150	1573.25	0.45	1.68	1.05	3.92
175	1666.27	0.50	1.85	1.18	4.36
200	1758.56	0.55	2.02	1.30	4.78
225	1850.13	0.60	2.19	1.43	5.20
250	1940.98	0.65	2.35	1.55	5.61
275	2031.11	0.70	2.51	1.68	6.01
300	2120.52	0.75	2.67	1.80	6.41
325	2209.20	0.80	2.83	1.93	6.80
350	2297.16	0.85	2.98	2.05	7.18
375	2384.40	0.90	3.13	2.18	7.56
400	2470.92	0.95	3.27	2.30	7.93
425	2556.72	1.00	3.42	2.43	8.29
450	2641.79	1.05	3.56	2.55	8.64
475	2726.14	1.10	3.70	2.68	8.99
500	2809.78	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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