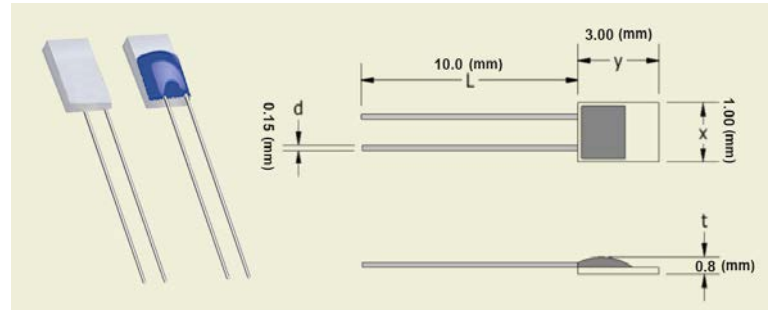


RPT1002R THIN FILM PLATINUM RTD ELEMENT

- * 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
RPT1002RA1	A
RPT1002RB1	B
RPT1002RC1	1/3 B

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

* 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

(°C)	Resistance (Ω)	DIN Class A		DIN Class B	
		± °C	± Ω	± °C	± Ω
-50	80	0.25	0.10	0.55	0.22
-25	90	0.20	0.08	0.43	0.17
0	100	0.15	0.06	0.30	0.12
25	108	0.20	0.08	0.43	0.13
50	119	0.25	0.10	0.55	0.21
75	129	0.30	0.11	0.68	0.26
100	138	0.35	0.13	0.80	0.30
125	148	0.40	0.15	0.93	0.35
150	157	0.45	0.17	1.05	0.39
175	167	0.50	0.19	1.18	0.44
200	176	0.55	0.20	1.30	0.48
225	185	0.60	0.22	1.43	0.52
250	194	0.65	0.24	1.55	0.56
275	203	0.70	0.25	1.68	0.60
300	212	0.75	0.27	1.80	0.64
325	221	0.80	0.28	1.93	0.68
350	230	0.85	0.30	2.05	0.72
375	238	0.90	0.31	2.18	0.76
400	247	0.95	0.33	2.30	0.79
425	256	1.00	0.34	2.43	0.83
450	264	1.05	0.36	2.55	0.86
475	273	1.10	0.37	2.68	0.90
500	281	1.15	0.38	2.80	0.93

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

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