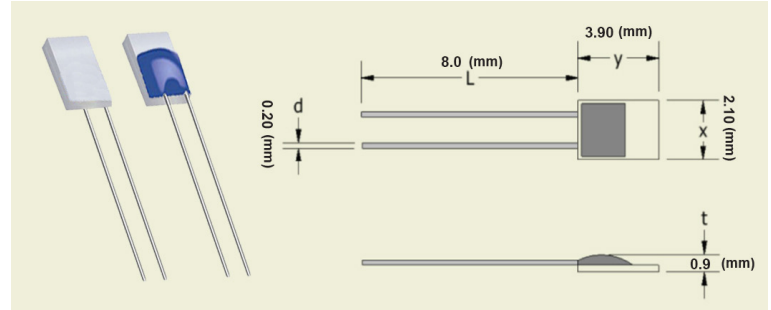


RPT1003S THIN FILM PLATINUM RTD ELEMENT

- * 1000 ohms at 0°C
- * 3750 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
RPT1003SB1	B
RPT1003S2B1	2B

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

- * 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

(°C)	Resistance (Ω)	DIN Class B		DIN Class 2B	
		± °C	± Ω	± °C	± Ω
-50	807.9	0.55	2.13	1.10	4.26
-25	904.4	0.43	1.63	0.86	3.26
0	1000.0	0.30	1.14	0.60	2.28
25	1094.9	0.43	1.61	0.86	3.22
50	1189.0	0.55	2.06	1.10	4.12
75	1282.4	0.68	2.51	1.36	5.02
100	1375.0	0.80	2.95	1.60	5.90
125	1466.9	0.93	3.39	1.86	6.78
150	1558.0	1.05	3.81	2.10	7.62
175	1648.4	1.18	4.23	2.36	8.46
200	1738.0	1.30	4.64	2.60	9.28
225	1826.8	1.43	5.04	2.86	10.08
250	1914.9	1.55	5.44	3.10	10.88
275	2002.3	1.68	5.83	3.36	11.66
300	2088.9	1.80	6.21	3.60	12.42
325	2174.7	1.93	6.58	3.86	13.16
350	2259.8	2.05	6.95	4.10	13.90
375	2344.2	2.18	7.31	4.36	14.62
400	2427.8	2.30	7.66	4.60	15.32
425	2510.6	2.43	8.00	4.86	16.00
450	2592.7	2.55	8.33	5.10	16.66
475	2674.0	2.68	8.66	5.36	17.32
500	2754.6	2.80	8.77	5.60	17.54

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

Revision - 2018-07-10

SENSING TECHNOLOGIES, INC.

5582 Enterprise Parkway, Fort Myers, FL 33905 ♦ Tel: 239-600-6633 ♦ Fax: (814) 834-9483
Email: sales@sensing-tech.com ♦ www.sensing-tech.com