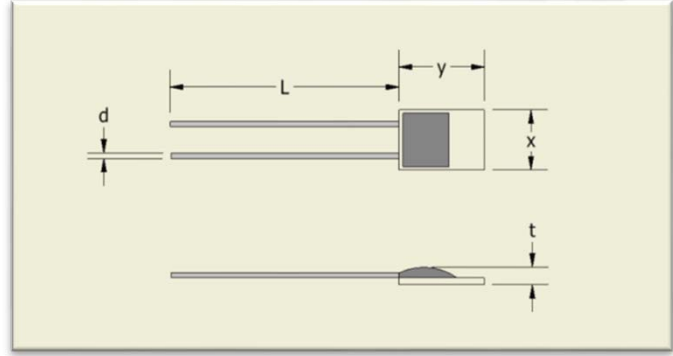


# RPT5002M THIN FILM PLATINUM RTD ELEMENT

- \* 500 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
RPT5002MA1	A
RPT5002MB1	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	401.57	0.25	0.50	0.55	1.09
-25	450.97	0.20	0.39	0.43	0.84
0	500.00	0.15	0.30	0.30	0.59
25	548.68	0.20	0.38	0.43	0.82
50	596.99	0.25	0.48	0.55	1.06
75	644.94	0.30	0.57	0.68	1.29
100	692.53	0.35	0.67	0.80	1.52
125	739.76	0.40	0.75	0.93	1.74
150	786.63	0.45	0.84	1.05	1.96
175	833.14	0.50	0.92	1.18	2.18
200	879.28	0.55	1.01	1.30	2.39
225	925.07	0.60	1.09	1.43	2.60
250	970.49	0.65	1.18	1.55	2.81
275	1015.56	0.70	1.25	1.68	3.01
300	1060.26	0.75	1.34	1.80	3.21
325	1104.60	0.80	1.41	1.93	3.40
350	1148.58	0.85	1.49	2.05	3.59
375	1192.20	0.90	1.56	2.18	3.78
400	1235.46	0.95	1.64	2.30	3.96
425	1278.36	1.00	1.70	2.43	4.14
450	1320.90	1.05	1.78	2.55	4.32
475	1363.07	1.10	1.84	2.68	4.49
500	1404.89	1.15	1.91	2.80	4.66

\* Lead wire material is platinum clad nickel  
Suitable for welding, crimping or brazing

\* Suggested measuring current:  
0.1 mA to 0.7 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

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

<p>Sensing Technologies, Inc. 5582 Enterprise Parkway Fort Myers, FL 33905 TEL 239-600- 6633 FAX 239-694-0031</p>	<p>Sensing Technologies, Inc. 1028 Graphite Road St. Marys, PA 15857 TEL: 814-834-9480 FAX: 814-834-1556</p>	<p>For engineering assistance, contact <a href="mailto:jsidoni@sensing-tech.com">jsidoni@sensing-tech.com</a></p>
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