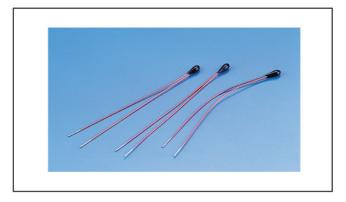


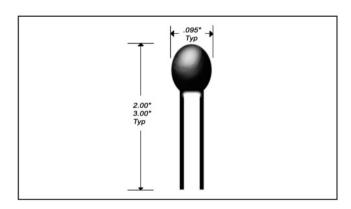
Point Matched NTC Thermistors

PM Series



FEATURES:

- Tolerance resistance matched to specific temperature
- Reduced cost for high volume applications
- Proprietary processes produce top of the line quality and stability
- \pm 1% to \pm 10% tolerances
- **RoHS Compliance**



PM Series thermistors are precision tested at a chosen tolerance to a specific temperature. This cost effective thermistor provides an advantage to industries with high volume applications, such as in HVAC, automotive, and industrial markets.

SPECIFICATIONS

Temperature rating/ ranges

PM Series thermistors may be recommended operating intermittently cycled at temperatures from $-50\,^{\circ}\text{C}$ to $150\,^{\circ}\text{C}$. Optimum stability is achieved when they are stored at temperatures less than 50 °C and operated continuously in temperatures less than 100℃.

PM Series thermistors are available R/T curves

in all R/T curve materials. Detailed curve material information

on pages 22-24.

Standard Point Matched 0°C temperature

-20°C 25°C 70°C

Tolerances ±0.25℃ ±0.5℃ ±1% ±2% ±5%

Dissipation constant 2mW/°C in still air 13mW/°C in stirred oil

Thermal time constant Typically 0.75 second in stirred

±10%

Maximum power rating 30mW at 25°C to 1mW at 100°C

(used in "self-heat" applications such as liquid level control and

air flow sensing)

Custom options Additional temperature and tolerance

ranges. Various lead materials,

diameters and lengths

ORDERING INFORMATION

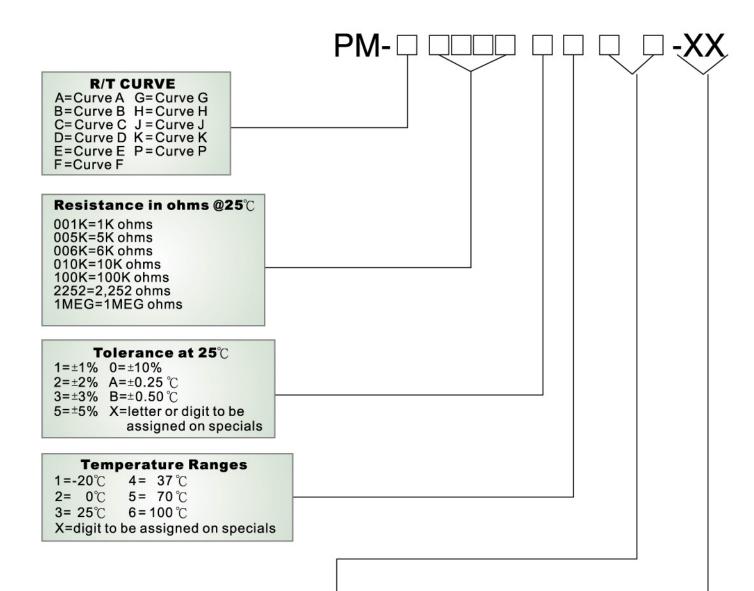
Examples of Point Matched NTC Thermistors - PM Series

Part #	R/T Curve	Res. In ohms @25°C	Tolerance	Point Matched	Lead Type	AWG	Coating	O.L.
PM-A2252-13-14 PM-A010K-13-14 PM-C010K-13-24 PM-A005K-33-14 PM-A100K-33-14 PM-A2252-53-14 PM-A2252-53-16 PM-A005K-53-14 PM-D100K-03-14	A A A A A A D	2,252 10K 10K 5K 100K 2,252 2,252 5K 100K	±1% ±1% ±1% ±3% ±3% ±5% ±5% ±5%	25°C 25°C 25°C 25°C 25°C 25°C 25°C 25°C	Tinned copper Tinned copper Tinned copper Tinned copper Tinned copper Tinned copper Tinned Alloy 180 Tinned copper Tinned copper	30 30 30 30 30 30 30 28 30 30	Epoxy	2" 3" 2" 3" 2" 2"
PM-J1MEG-03-16	J	1MEG	±10%	25℃ 25℃	Tinned copper	28	Ероху	2"



Point Matched NTC Thermistors

PM Series - Order Map



2"Leads				3"Leads					
Code	AWG	Lead OD	Lead Type	Chip Coating	Code	AWG	Lead OD	Lead Type	Chip Coating
20	24	0.0197"	Tinned Copper	Ероху	30	24	0.0197"	Tinned Copper	Ероху
21	26	0.0159"	Tinned Copper	Epoxy	31	26	0.0159"	Tinned Copper	Ероху
22	28	0.0126"	Tinned Copper	Ероху	32	28	0.0126"	Tinned Copper	Ероху
23	30	0.010"	Tinned Copper	Ероху	33	30	0.010"	Tinned Copper	Ероху
24	30	0.010"	Alloy 180	Epoxy	34	30	0.010"	Alloy 180	Ероху
25	32	0.008"	Tinned Copper	Ероху	35	32	0.008"	Tinned Copper	Ероху
26	32	0.008"	Alloy 180	Ероху	36	32	0.008"	Alloy 180	Ероху

For optional lengths other than 2" or 3" substitute XX with lengths in inches