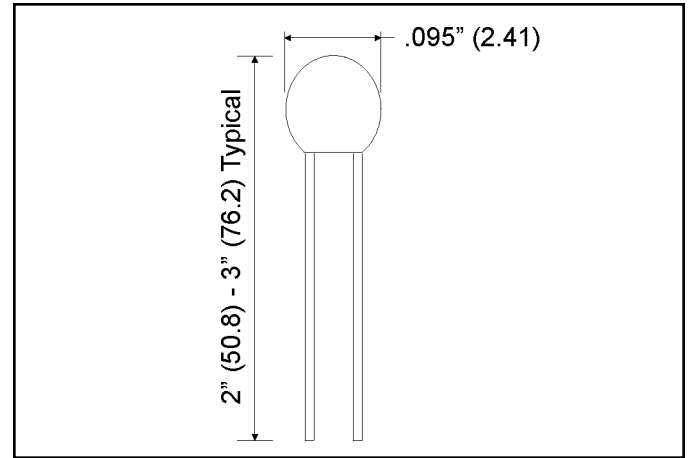
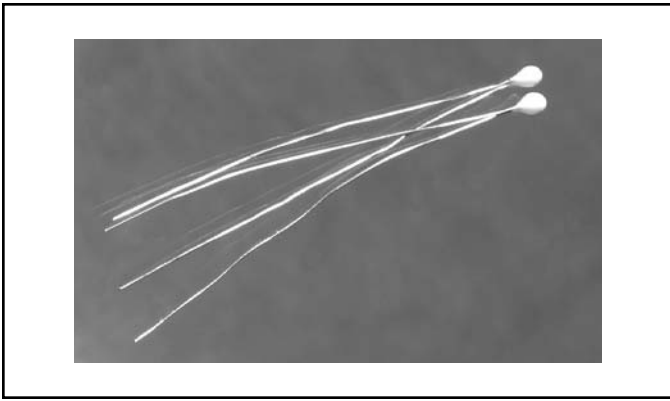


Point Matched NTC Thermistors

PM Series



FEATURES

- RoHS Compliant
- Percentage (%) or degree °C tolerance
- Reduced cost for high volume applications
- Tolerance resistance matched to specific temperature

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/ recommended operating ranges	PM Series thermistors may be intermittently cycled at temperatures from -50°C to 150°C. Optimum stability is achieved when they are stored at temperatures less than 50°C and operated continuously in temperatures less than 100°C.	Tolerances	±0.25°C ±1.0°C ±1% ±2% ±3% ±5%
R/T curves	PM Series thermistors are available in all R/T curve materials. Detailed curve material information on pages 26-27.	Dissipation constant	2m W/°C in still air 13m W/°C in stirred oil
Temperature ranges	-20°C 0°C 25°C 37°C 70°C 100°C	Thermal time constant	Typically 0.75 seconds in stirred oil
		Maximum power rating	30 mW at 25°C to 1mW at 100°C (used in 'self-heat' applications such as liquid level control and air flow sensing).

Point Matched NTC Thermistors

PM Series - Order Map

ORDERING MAP

PM - - - - - XX

R/T Curve	
A = Curve A	F = Curve F
B = Curve B	G = Curve G
C = Curve C	H = Curve H
D = Curve D	K = Curve K
E = Curve E	P = Curve P

Resistance in Ohms at 25°C
001K = 1K Ohms
005K = 5K Ohms
006K = 6K Ohms
010K = 10K Ohms
100K = 100K Ohms
2252 = 2,252 Ohms
1MEG = 1 Million Ohms

Tolerance at 25°C	
1 = ±1%	0 = ±10%
2 = ±2%	A = ±0.25°C
3 = ±3%	B = ±0.50°C
5 = ±5%	X = letter or digit to be assigned for specials

Temperature Ranges	
A = -20°C	D = 37°C
B = 0°C	E = 70°C
C = 25°C	F = 100°C
x = digit to be assigned for specials	

2" Leads				
Code	AWG	Lead O.D.	Lead Type	Chip Coating
04	30	0.010"	Tinned Alloy	Epoxy
05	26	0.0169"	Tinned Copper	Epoxy
06	28	0.0126"	Tinned Copper	Epoxy
07	32	0.008"	Tinned Copper	Epoxy
08	30	0.010"	Nickel	Epoxy
09	26	0.0159"	Tinned Alloy 180	Epoxy
10	26	0.0159"	Tinned Copper	Epoxy
11	32	0.008"	Nickel	Epoxy
12	32	0.008"	Tinned Copper	Epoxy
13	30	0.010"	Tinned Alloy 180	Epoxy
14	30	0.010"	Tinned Copper	Epoxy
16	28	0.0126"	Tinned Alloy	Epoxy
18	32	0.008"	Tinned Alloy	Epoxy
20	28	0.0126"	Nickel	Epoxy

3" Leads				
Code	AWG	Lead O.D.	Lead Type	Chip Coating
21	32	0.008"	Nickel	Epoxy
22	32	0.008"	Tinned Copper	Epoxy
24	30	0.010"	Tinned Copper	Epoxy
26	28	0.0126"	Tinned Copper	Epoxy
28	32	0.008"	Tinned Alloy 180	Epoxy
31	30	0.010"	Teflon	Epoxy
41*	30	0.010"	Ag/Cu Twisted Kynar	Epoxy

* 6K to 30K only

For optional lengths other than 2" or 3" substitute XX with lengths in inches
Example: 04 = 4.0"