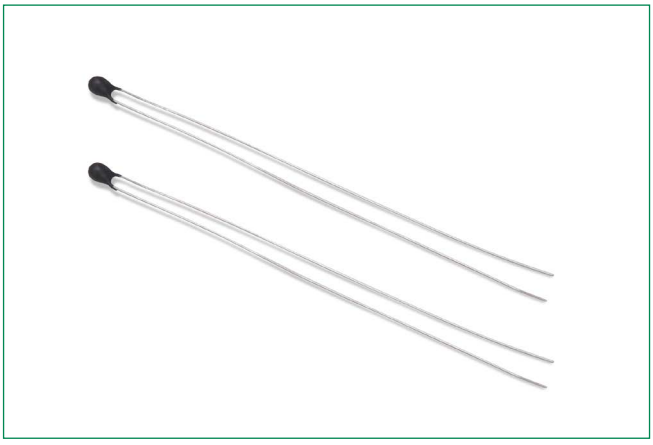
PW Series Precision Interchangeable Thermistors



Description

Littelfuse precision interchangeable thermistors are low cost, highly accurate, stable devices designed specifically for temperature sensing and control applications. They are particularly suited for uses where their precision interchangeability eliminates the necessity for costly individual circuit calibration.

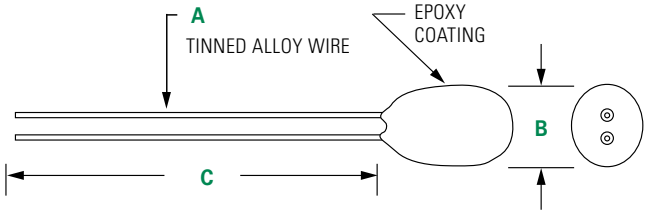
Options

- Non-standard resistance values and tolerances
- Special lead materials and lengths
- Special encapsulants or probe housings

Features

- High accuracy
- Fast thermal response
- Low cost
- Small size
- Epoxy encapsulated
- High stability
- Long life
- R/T Curve-matched

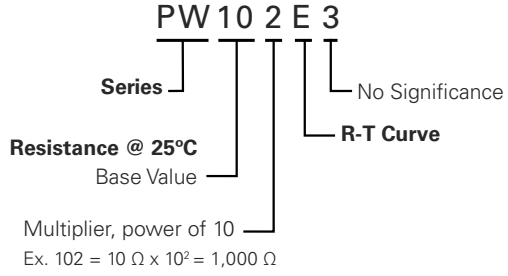
Dimensions



Dimensions shown in inches.

A	B	C
30 AWG 0.010"	0.095" Max	1.5" Min

Part Numbering System



Note: Not all combinations of Part Number codes are available. Contact Littelfuse for details.

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Specifications are subject to change without notice.

PW Series Precision Interchangeable Thermistors

Specifications

Part Number	Resistance Ohms @25°C	Accuracy (±°C) 0-70°C	R-T Curve	Temperature Coefficient (% / °C) @ 25°C	Beta (K) 0-50°C	Dissipation Constant, Nominal (mW/°C)	Thermal Time Constant, Max. - Still Air (seconds)	Thermal Time Constant, Max. - Well Stirred Oil (seconds)	Temperature Rating (°C)	Storage & Operation Temp for Best L/T Stability (°C)
PW102E3	1000	±0.5°C	E	-3.67	3263	1	10	1	-80 to +150	-80 to +120
PW102J2	1000	±0.5°C	J	-3.67	3892	1	10	1	-80 to +150	-80 to +120
PW222J2	2252	±0.5°C	J	-4.4	3892	1	10	1	-80 to +150	-80 to +120
PW302J2	3000	±0.5°C	J	-4.4	3892	1	10	1	-80 to +150	-80 to +120
PW502J2	5000	±0.5°C	J	-4.4	3892	1	10	1	-80 to +150	-80 to +120
PW602J2	6000	±0.5°C	J	-4.4	3892	1	10	1	-80 to +150	-80 to +120
PW103G2	10000	±0.5°C	G	-4.04	3575	1	10	1	-80 to +150	-80 to +120
PW103J2	10000	±0.5°C	J	-4.4	3892	1	10	1	-80 to +150	-80 to +120
PW203J2	20000	±0.5°C	J	-4.4	3892	1	10	1	-80 to +150	-80 to +120
PW303J2	30000	±0.5°C	J	-4.4	3892	1	10	1	-80 to +150	-80 to +120
PW503J2	50000	±0.5°C	J	-4.4	3892	1	10	1	-80 to +150	-80 to +120
PW503R2	50000	±0.5°C	R	-4.68	4140	1	10	1	-80 to +150	-80 to +120
PW104J2	100000	±0.5°C	J	-4.4	3892	1	10	1	-80 to +150	-80 to +120
PW104R2	100000	±0.5°C	R	-4.68	4140	1	10	1	-80 to +150	-80 to +120

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