PX 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.

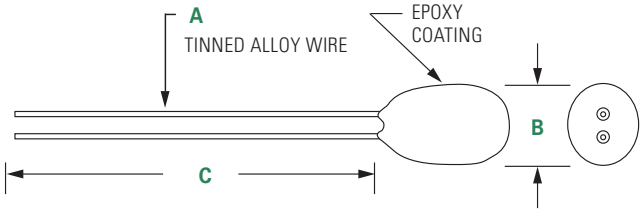
Options

- 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

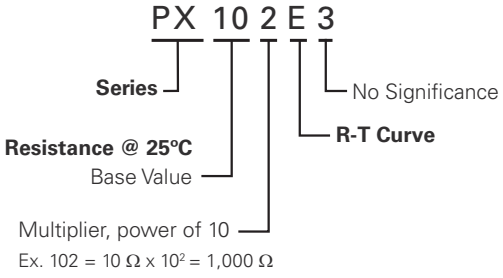
Dimensions



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.

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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)	Max. Storage & Operation Temp. for Best L/T Stability (°C)
PX102E3	1000	±1.0°C	E	-3.67	3263	1	10	1	-80 to +150	-80 to +120
PX102J2	1000	±1.0°C	J	-4.4	3892	1	10	1	-80 to +150	-80 to +120
PX222J2	2252	±1.0°C	J	-4.4	3892	1	10	1	-80 to +150	-80 to +120
PX302J2	3000	±1.0°C	J	-4.4	3892	1	10	1	-80 to +150	-80 to +120
PX502J2	5000	±1.0°C	J	-4.4	3892	1	10	1	-80 to +150	-80 to +120
PX602J2	6000	±1.0°C	J	-4.4	3892	1	10	1	-80 to +150	-80 to +120
PX103G2	10000	±1.0°C	G	-4.4	3575	1	10	1	-80 to +150	-80 to +120
PX103J2	10000	±1.0°C	J	-4.4	3892	1	10	1	-80 to +150	-80 to +120
PX203J2	20000	±1.0°C	J	-4.4	3892	1	10	1	-80 to +150	-80 to +120
PX303J2	30000	±1.0°C	J	-4.4	3892	1	10	1	-80 to +150	-80 to +120
PX503J2	50000	±1.0°C	J	-4.4	3892	1	10	1	-80 to +150	-80 to +120
PX503R2	50000	±1.0°C	R	-4.68	4140	1	10	1	-80 to +150	-80 to +120
PX104J2	100000	±1.0°C	J	-4.4	3892	1	10	1	-80 to +150	-80 to +120
PX104R2	100000	±1.0°C	R	-4.68	4140	1	10	1	-80 to +150	-80 to +120

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