PT Series Standard Precision Interchangeable Thermistors



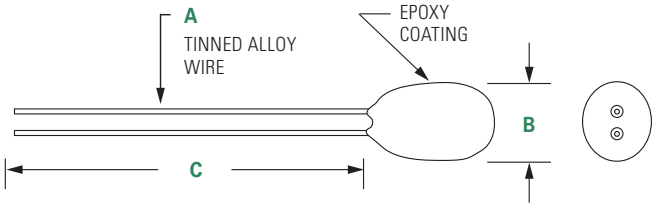
Description

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

Dimensions



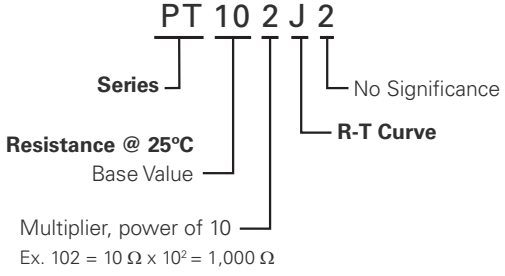
Dimensions shown in inches.

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

Features

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

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	Max. Power Rating (mW)	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)
PT102J2	1000	± 0.2°C	J	-4.4	3892	30	1	10	1	-80 to +150	-80 to +120
PT222J2	2252	± 0.2°C	J	-4.4	3892	30	1	10	1	-80 to +150	-80 to +120
PT302J2	3000	± 0.2°C	J	-4.4	3892	30	1	10	1	-80 to +150	-80 to +120
PT502J2	5000	± 0.2°C	J	-4.4	3892	30	1	10	1	-80 to +150	-80 to +120
PT602J2	6000	± 0.2°C	J	-4.4	3892	30	1	10	1	-80 to +150	-80 to +120
PT103G2	10000	± 0.2°C	G	-4.04	3575	30	1	10	1	-80 to +150	-80 to +120
PT103J2	10000	± 0.2°C	J	-4.4	3892	30	1	10	1	-80 to +150	-80 to +120
PT203J2	20000	± 0.2°C	J	-4.4	3892	30	1	10	1	-80 to +150	-80 to +120
PT303J2	30000	± 0.2°C	J	-4.4	3892	30	1	10	1	-80 to +150	-80 to +120
PT503J2	50000	± 0.2°C	J	-4.4	3892	30	1	10	1	-80 to +150	-80 to +120
PT503R2	50000	± 0.2°C	R	-4.68	4140	30	1	10	1	-80 to +150	-80 to +120
PT104J2	100000	±0.2°C	J	-4.4	3892	30	1	10	1	-80 to +150	-80 to +120
PT104R2	100000	± 0.2°C	R	-4.68	4140	30	1	10	1	-80 to +150	-80 to +120

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