

PR Series Ultra Precision Interchangeable Thermistors



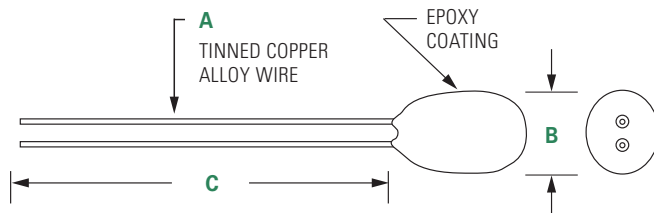
Description

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



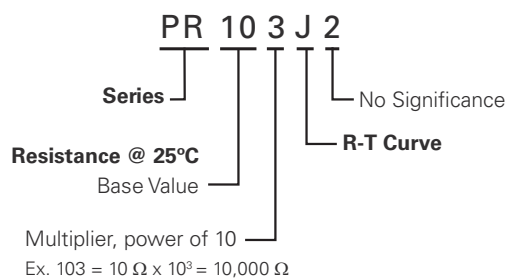
Dimensions shown in inches.

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

Features

- High accuracy
- Fast thermal response
- 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

Part Number	Resistance Ohms @ 25°C	Accuracy (±°C) 0-50°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)
PR222J2	2252	± 0.05°C	J	-4.4	3892	30	1	10	1	-55 to +80	-55 to +50
PR302J2	3000	± 0.05°C	J	-4.4	3892	30	1	10	1	-55 to +80	-55 to +50
PR502J2	5000	± 0.05°C	J	-4.4	3892	30	1	10	1	-55 to +80	-55 to +50
PR103J2	10000	± 0.05°C	J	-4.4	3892	30	1	10	1	-55 to +80	-55 to +50
PR203J2	20000	± 0.05°C	J	-4.4	3892	30	1	10	1	-55 to +80	-55 to +50
PR303J2	30000	± 0.05°C	J	-4.4	3892	30	1	10	1	-55 to +80	-55 to +50
PR503J2	50000	± 0.05°C	J	-4.4	3892	30	1	10	1	-55 to +80	-55 to +50

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