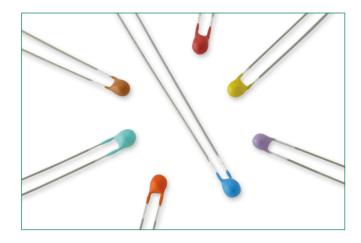
# **Leaded Thermistors**Interchangeable Thermistor

## PT Series Standard Precision Interchangeable Thermistors



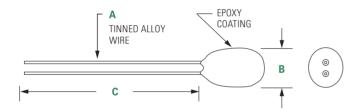
#### **Description**

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**



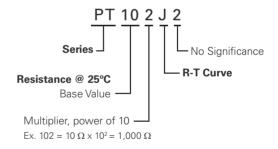
Dimensions shown in inches.

Α	В	С		
30AWG	0.095"	1.5"		
0.010"	Max	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.



# PT Series Standard 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	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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<u>PT222J2 PT303J2 PT502J2 PT302J2 PT103J2 PT103J2 PT103G2 PT102J2 PT203J2 PT503J2 PT503R2 PT602J2 PT104R2</u>