Leaded ThermistorsInterchangeable Thermistor

PS Series Standard Precision Interchangeable Thermistors



Description

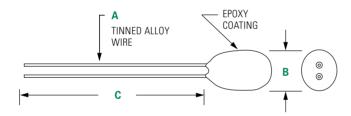
Littelfuse precision interchangeable thermistors are low cost, highly accurate, stable devices designed specifically for temperature sensing and control applications. They are particularly suited for uses where their precision interchangeability eliminates the necessity for costly individual circuit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

Options

- Non-standard resistance values and tolerances
- Special lead materials and lengths

 Special encapsulants or probe housings

Dimensions



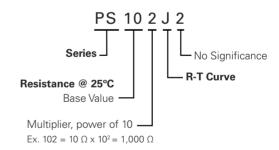
Dimensions shown in inches.

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.



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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)	Storage & Operation Temp for Best L/T Stability (°C)
PS102J2	1000	± 0.1°C	J	-4.4	3892	1	10	1	-80 to +150	-80 to +75
PS222J2	2252	± 0.1°C	J	-4.4	3892	1	10	1	-80 to +150	-80 to +75
PS302J2	3000	± 0.1°C	J	-4.4	3892	1	10	1	-80 to +150	-80 to +75
PS502J2	5000	± 0.1°C	J	-4.4	3892	1	10	1	-80 to +150	-80 to +75
PS602J2	6000	± 0.1°C	J	-4.4	3892	1	10	1	-80 to +150	-80 to +75
PS103G2	10000	± 0.1°C	G	-4.04	3575	1	10	1	-80 to +150	-80 to +75
PS103J2	10000	± 0.1°C	J	-4.4	3892	1	10	1	-80 to +150	-80 to +75
PS203J2	20000	± 0.1°C	J	-4.4	3892	1	10	1	-80 to +150	-80 to +75
PS303J2	30000	± 0.1°C	J	-4.4	3892	1	10	1	-80 to +150	-80 to +75
PS503J2	50000	± 0.1°C	J	-4.4	3892	1	10	1	-80 to +150	-80 to +75
PS503R2	50000	± 0.1°C	R	-4.68	4140	1	10	1	-80 to +150	-80 to +75
PS104J2	100000	± 0.1°C	J	-4.4	3892	1	10	1	-80 to +150	-80 to +75
PS104R2	100000	± 0.1°C	R	-4.68	4140	1	10	1	-80 to +150	-80 to +75

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