KS 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.

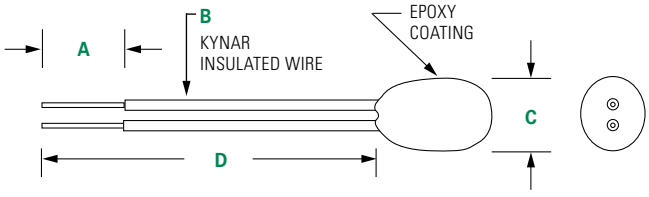
Options

- Non-standard resistance values and tolerances
- Special lead materials and lengths
- Special encapsulants or probe housings

Features

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

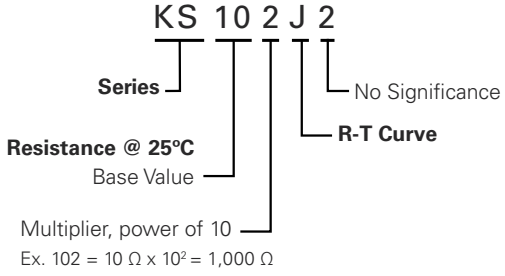
Dimensions



Dimensions shown in inches.

A	B	C	D
0.250″ Nom	30 AWG 0.010″	0.095″ Max	1.5″ ±0.250″

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)	Storage & Operation Temp for Best L/T Stability (°C)
KS102J2	1000	±0.1°C	J	-4.4	3892	1	10	1	-80 to +135	-80 to +75
KS222J2	2252	±0.1°C	J	-4.4	3892	1	10	1	-80 to +135	-80 to +75
KS302J2	3000	±0.1°C	J	-4.4	3892	1	10	1	-80 to +135	-80 to +75
KS502J2	5000	±0.1°C	J	-4.4	3892	1	10	1	-80 to +135	-80 to +75
KS602J2	6000	±0.1°C	J	-4.4	3892	1	10	1	-80 to +135	-80 to +75
KS103G2	10000	±0.1°C	G	-4.04	3575	1	10	1	-80 to +135	-80 to +75
KS103J2	10000	±0.1°C	J	-4.4	3892	1	10	1	-80 to +135	-80 to +75
KS103J34	10000	±0.1°C	J	-4.4	3892	1	10	1	-80 to +135	-80 to +75
KS203J2	20000	±0.1°C	J	-4.4	3892	1	10	1	-80 to +135	-80 to +75
KS303J2	30000	±0.1°C	J	-4.4	3892	1	10	1	-80 to +135	-80 to +75
KS503J2	50000	±0.1°C	J	-4.4	3892	1	10	1	-80 to +135	-80 to +75
KS503R2	50000	±0.1°C	R	-4.68	4140	1	10	1	-80 to +135	-80 to +75
KS104R2	100000	±0.1°C	R	-4.68	4140	1	10	1	-80 to +135	-80 to +75

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