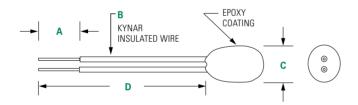


KS Series Standard Precision Interchangeable Thermistors



Dimensions



Dimensions shown in inches.

Α	В	С	D		
0.250"	30 AWG	0.095"	1.5"		
Nom	0.010"	Max	±0.250"		

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 encapsulants or probe housings

• Epoxy encapsulated

• R/T Curve-matched

• High stability

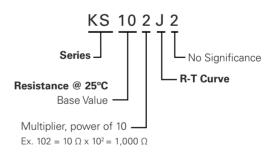
• Long life

 Special lead materials and lengths

Features

- High accuracy
- Fast thermal response
- Low cost
- Small size

Part Numbering System



Note: Not all combinations of Part Number codes are available. Contact Littelfuse for details.



KS 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	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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