

KX Series Precision Interchangeable Thermistors



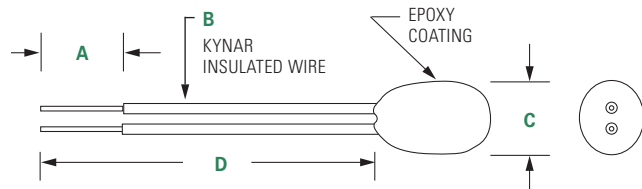
Description

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



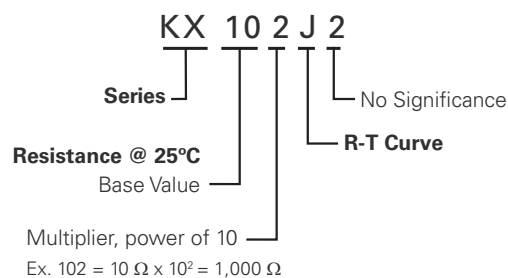
Dimensions shown in inches.

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

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)
KX102J2	1000	±1.0°C	J	-4.4	3892	1	10	1	-80 to +135	-80 to +120
KX222J2	2252	±1.0°C	J	-4.4	3892	1	10	1	-80 to +135	-80 to +120
KX302J2	3000	±1.0°C	J	-4.4	3892	1	10	1	-80 to +135	-80 to +120
KX502J2	5000	±1.0°C	J	-4.4	3892	1	10	1	-80 to +135	-80 to +120
KX602J2	6000	±1.0°C	J	-4.4	3892	1	10	1	-80 to +135	-80 to +120
KX103G2	10000	±1.0°C	G	-4.04	3575	1	10	1	-80 to +135	-80 to +120
KX103J2	10000	±1.0°C	J	-4.4	3892	1	10	1	-80 to +135	-80 to +120
KX203J2	20000	±1.0°C	J	-4.4	3892	1	10	1	-80 to +135	-80 to +120
KX303J2	30000	±1.0°C	J	-4.4	3892	1	10	1	-80 to +135	-80 to +120
KX503J2	50000	±1.0°C	J	-4.4	3892	1	10	1	-80 to +135	-80 to +120
KX503R2	50000	±1.0°C	R	-4.68	4140	1	10	1	-80 to +135	-80 to +120
KX104R2	100000	±1.0°C	R	-4.68	4140	1	10	1	-80 to +135	-80 to +120

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