

KW Series Precision Interchangeable Thermistors



Dimensions



Dimensions shown in inches.

А	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.



KW Series 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)
KW102J2	1000	±0.5°C	J	-4.4	3892	1	10	1	-80 to +135	-80 to +120
KW222J2	2252	±0.5°C	J	-4.4	3892	1	10	1	-80 to +135	-80 to +120
KW302J2	3000	±0.5°C	J	-4.4	3892	1	10	1	-80 to +135	-80 to +120
KW502J2	5000	±0.5°C	J	-4.4	3892	1	10	1	-80 to +135	-80 to +120
KW602J2	6000	±0.5°C	J	-4.4	3892	1	10	1	-80 to +135	-80 to +120
KW103G2	10000	±0.5°C	G	-4.04	3575	1	10	1	-80 to +135	-80 to +120
KW103J2	10000	±0.5°C	J	-4.4	3892	1	10	1	-80 to +135	-80 to +120
KW203J2	20000	±0.5°C	J	-4.4	3892	1	10	1	-80 to +135	-80 to +120
KW303J2	30000	±0.5°C	J	-4.4	3892	1	10	1	-80 to +135	-80 to +120
KW503J2	50000	±0.5°C	J	-4.4	3892	1	10	1	-80 to +135	-80 to +120
KW503R2	50000	±0.5°C	R	-4.68	4140	1	10	1	-80 to +135	-80 to +120
KW104R2	100000	±0.5°C	R	-4.68	4140	1	10	1	-80 to +135	-80 to +120

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