Leaded Thermistors
Epoxy Coated Thermistor

LC Series Miniature Thermistors

Description

Littelfuse miniature leaded epoxy coated thermistors are manufactured using the same state of the art manufacturing techniques as those used to produce Littelfuse precision interchangeable devices. This results in devices with superior long-term reliability characteristics especially suitable for temperature measurement, temperature control and temperature compensation applications.

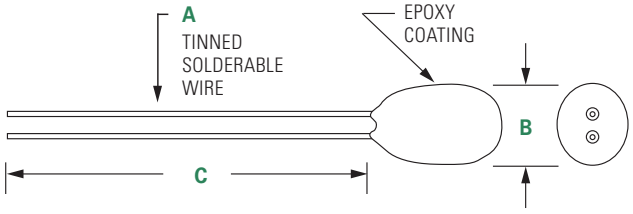
Options

- Non-standard resistance values and tolerances
- Special lead materials and lengths
- Special encapsulants or probe housings
- Point matched at specified temperatures

Features

- Low cost
- High reliability
- Epoxy encapsulated
- Small size
- Fast thermal response time

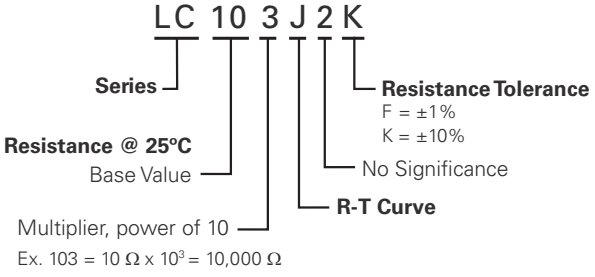
Dimensions



Dimensions shown in inches.

A	B	C
28AWG 0.013"	0.095" Max	1.5" Nom

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	*Resistance Tol. ± % @ 25°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)
LC101B2K	100	10	B	-3.3	2941	1	10	1	-55 to +100
LC101D2N	100	–	–	–	–	–	–	–	-55 to +100
LC102F2K	1000	10	F	-3.86	3419	1	10	1	-55 to +150
LC222J2K	2252	10	J	-4.4	3892	1	10	1	-55 to +150
LC302J2J	3000	5	J	-4.4	3892	1	10	1	-55 to +150
LC302J2K	3000	10	J	-4.4	3892	1	10	1	-55 to +150
LC502J2K	5000	10	J	-4.4	3892	1	10	1	-55 to +150
LC103E2K	10000	10	E	-3.52	3320	1	10	1	-55 to +150
LC103G2K	10000	10	G	-4.04	3575	1	10	1	-55 to +150
LC103J2G	10000	2	J	-4.4	3892	1	10	1	-55 to +150
LC103J2J	10000	5	J	-4.4	3892	–	–	–	-55 to +150
LC103J2K	10000	10	J	-4.4	3892	1	10	1	-55 to +150
LC203J2K	20000	10	J	-4.4	3892	1	10	1	-55 to +150
LC303H2K	30000	10	H	-4.4	3810	1	10	1	-55 to +150
LC303J2J	30000	5	J	-4.4	3892	1	10	1	-55 to +150
LC303J2K	30000	10	J	-4.4	3892	1	10	1	-55 to +150
LC503J2K	50000	10	J	-4.4	3892	1	10	1	-55 to +150
LC104R2K	100000	10	R	-4.68	4140	1	10	1	-55 to +150

*Resistance tolerances of ± 2%, 2%, and 5% are available upon request

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