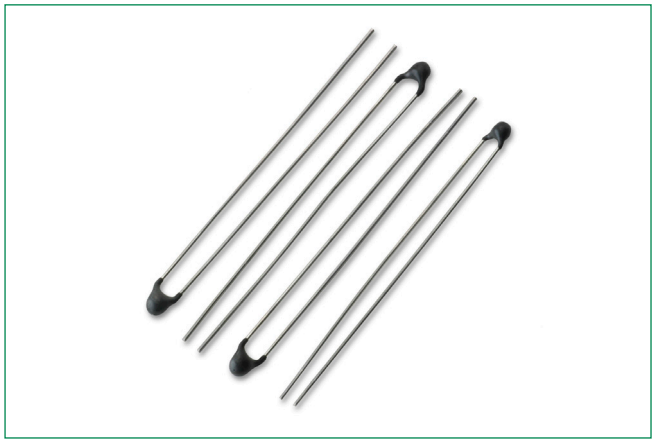
DC Series Standard Leaded Thermistors



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.

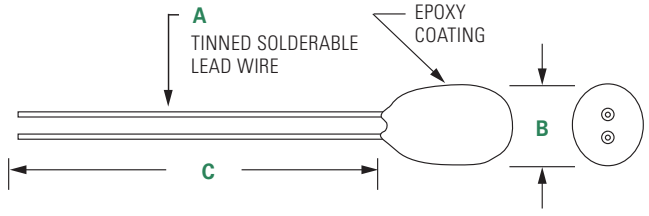
Options

- 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 stability
- Epoxy encapsulated
- Small size
- Fast thermal response time

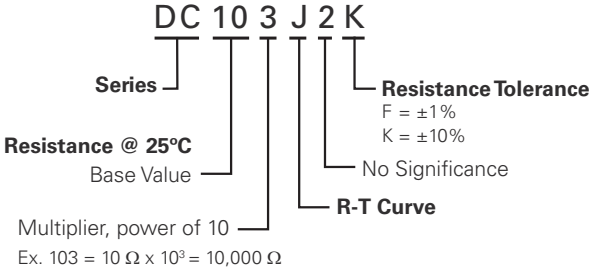
Dimensions



Dimensions shown in inches.

A	B	C
24 AWG (0.020")	0.125" Max	1.0" Min

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.

DC Series Standard Leaded Thermistors

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)
DC101B2K	100	10	B	-3.3	2941	3	15	2	-55 to +100
DC301F3K	300	10	F	-3.86	3419	3	_	_	-55 to +150
DC102F2K	1000	10	F	-3.86	3419	3	15	2	-55 to +150
DC222J2K	2252	10	J	-4.4	3892	3	15	2	-55 to +150
DC252J3K	2500	10	J	-4.4	3892	3	_	_	-55 to +150
DC302J2K	3000	10	J	-4.4	3892	3	15	2	-55 to +150
DC502J2K	5000	10	J	-4.4	3892	3	15	2	-55 to +150
DC103G2K	10000	10	G	-4.04	3575	3	15	2	-55 to +150
DC103G9G	10000	2	G	-4.04	3575	3	15	3	-55 to +150
DC103J2F	10000	1	J	-4.4	3892	3	15	3	-55 to +150
DC103J2K	10000	10	J	-4.4	3892	3	15	2	-55 to +150
DC203J2K	20000	10	J	-4.4	3892	3	15	2	-55 to +150
DC303J2K	30000	10	J	-4.4	3892	3	15	2	-55 to +150
DC503J2K	50000	10	J	-4.4	3892	3	15	2	-55 to +150
DC104R2K	100000	10	R	-4.68	4140	3	15	2	-55 to +150

*Resistance tolerances of ± 1%, 2%, and 5% are available upon request

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