



Leadless Top/Bottom Terminated Chip Thermistors

U.S. Sensor's leadless chip thermistor elements are designed for use on hybrid substrates, integrated circuits or printed circuit boards. They have silver metallization on their top and bottom which is suitable for various contact techniques including wire bond, epoxy or solder. Since they are manufactured using the most advanced equipment and technology available, their dimensional parameters are extremely uniform, making the devices especially suitable for use with automatic handling and placement equipment.



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Markets and Applications

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Features

- Surface mountable
- Small size
- Very low profile
- Low cost
- Rapid response time
- Rated to 150°C

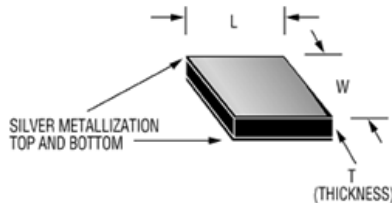
Options

- Non-standard resistance values and tolerances
- Special electrode materials (silver or gold)
- Special dimensions
- Tape and reel packaging

Specifications












- Thermal time constant: 2 seconds max
- Dissipation constant: 1mW/°C

LEADLESS CHIP THERMISTORS



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LEADLESS TOP/BOTTOM TERMINATED CHIP THERMISTORS (150°C)

Part Number	Resistance Ohms @25°C	* Resistance Tol. ± %	R-T Curve	Beta (K) 0-50°C	Nominal Dimensions (Inches)			View R-T Chart
					Dim. "L"	Dim. "W"	Dim. "T"	
BC101B1K	100	10	B	2930	0.060	0.060	0.015	
BC501B1K	500	10	B	2930	0.025	0.025	0.021	
BC102F1K	1000	10	F	3420	0.045	0.045	0.015	
BC222J1K	2252	10	J	3890	0.070	0.070	0.010	
BC302J1K	3000	10	J	3890	0.065	0.065	0.010	
BC502J1K	5000	10	J	3890	0.055	0.055	0.015	
BC103J1K	10000	10	J	3890	0.040	0.040	0.015	
BC203J1K	20000	10	J	3890	0.030	0.030	0.015	
BC303J1K	30000	10	J	3890	0.025	0.025	0.020	
BC503J1K	50000	10	J	3890	0.020	0.020	0.020	
BC104R1K	100000	10	R	4140	0.022	0.022	0.016	

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