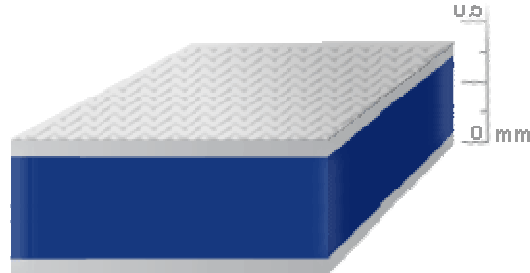


Silver Leadless Chips

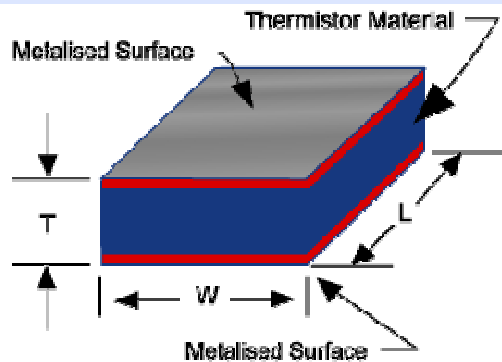
Introduction



An economical alternative to the gold leadless betaCHIP thermistors is the Silver terminated leadless BetaCHIP thermistors. These elements are manufactured using the same high quality materials as our other thermistor products. The nominal dimensions remain the same for both gold and silver chips. Custom sizes are also manufactured for customer specific applications. Silver chip elements are supplied in vials, "gel" or "waffle" packs.

Silver metalized chips may be soldered or conductive epoxy bonded to board termination points. The use of solder containing a small quantity of silver is recommended such as 62%Sn (tin), 36%Pb (lead) and 2%Ag(silver).

Shape and Dimensions



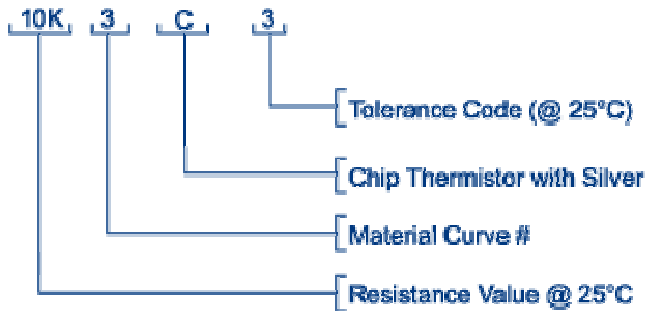
Features

- Rapid Time Response (< 1 second typical in liquids).
- Standards supplied with $\pm 5\%$ and $\pm 10\%$ tolerance.
- $\pm 1\%$ and $\pm 2\%$ available upon request.
- Surface Mount Capability.
- 1 mW/°C Dissipation Constant in air at 25°C.
- Uniformly Sized for Pick & Place Assembly.

Applications

- Automotive temperature controls.
- Surface mounting on hybrid circuits
- Temperature compensation of crystal oscillators.

Part Numbering System



Electrical Specifications

Part Number ± 5% @ 25°C	Part Number ± 10% @25°C	Resistance @ 25°C (ohms)	Alpha @25 °C	0/50°C Beta Value	Curve #	Nominal Chip Dimensions (mm)			Nominal Chip Dimensions (inches)		
						L	W	T	L	W	T
0.1K1C3	0.1K1C2	100	3.50%	3108	1	1.397	1.397	0.305	0.055	0.055	0.012
0.3K1C3	0.3K1C2	300	-3.50%	3108	1	0.914	0.914	0.381	0.036	0.036	0.015
1K2C3	1K2C2	1000	-3.68%	3263	2	0.762	0.762	0.381	0.030	0.030	0.015
1K7C3	1K7C2	1000	-3.87%	3422	7	1.067	1.067	0.381	0.042	0.042	0.015
2.2K3C3	2.2K3C2	2252	-4.39%	3892	3	1.905	1.905	0.254	0.075	0.075	0.010
3K3C3	3K3C2	3000	-4.39%	3892	3	1.651	1.651	0.254	0.065	0.065	0.010
5K3C3	5K3C2	5000	-4.39%	3892	3	1.397	1.397	0.305	0.055	0.055	0.012
10K3C3	10K3C2	10000	-4.39%	3892	3	1.016	1.016	0.305	0.040	0.040	0.012
10K4C3	10K4C2	10000	-4.04%	3575	4	1.143	1.143	0.254	0.045	0.045	0.010
30K5C3	30K5C2	30000	-4.30%	3811	5	0.889	0.889	0.381	0.035	0.035	0.015
30K6C3	30K6C2	30000	-4.68%	4143	6	1.397	1.397	0.305	0.055	0.055	0.012
50K6C3	50K6C2	50000	-4.68%	4143	6	1.143	1.143	0.381	0.045	0.045	0.015
100K6C3	100K6C2	100000	-4.68%	4143	6	0.889	0.889	0.381	0.035	0.035	0.015
1M9C3	1M9C2	1000000	-5.20%	4582	9	0.889	0.889	0.254	0.035	0.035	0.010

For details on the minimum order quantity (MOQ) of this product, please contact BetaTHERM Sensors or your local BetaTHERM Sensors representative



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