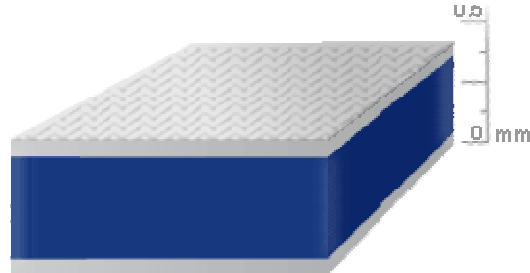


## Silver Leadless Chips

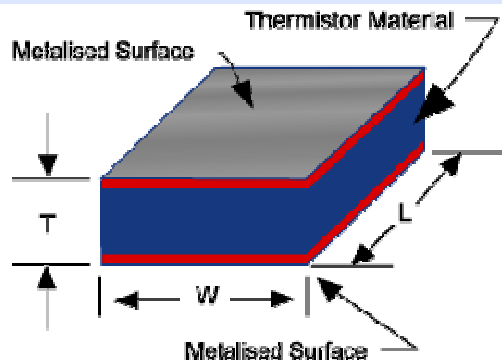
### Introduction



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

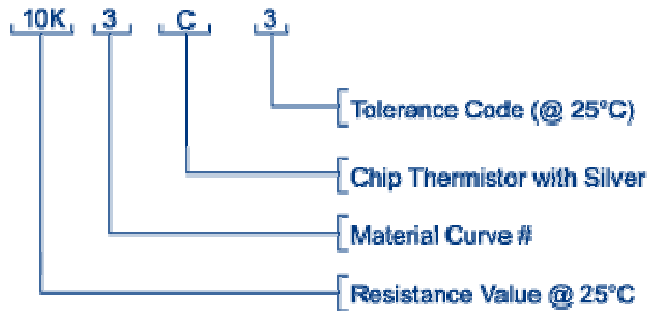


#### Features

- 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
<a href="#">0.1K1C3</a>	<a href="#">0.1K1C2</a>	100	3.50%	3108	1	1.397	1.397	0.305	0.055	0.055	0.012
<a href="#">0.3K1C3</a>	<a href="#">0.3K1C2</a>	300	-3.50%	3108	1	0.914	0.914	0.381	0.036	0.036	0.015
<a href="#">1K2C3</a>	<a href="#">1K2C2</a>	1000	-3.68%	3263	2	0.762	0.762	0.381	0.030	0.030	0.015
<a href="#">1K7C3</a>	<a href="#">1K7C2</a>	1000	-3.87%	3422	7	1.067	1.067	0.381	0.042	0.042	0.015
<a href="#">2.2K3C3</a>	<a href="#">2.2K3C2</a>	2252	-4.39%	3892	3	1.905	1.905	0.254	0.075	0.075	0.010
<a href="#">3K3C3</a>	<a href="#">3K3C2</a>	3000	-4.39%	3892	3	1.651	1.651	0.254	0.065	0.065	0.010
<a href="#">5K3C3</a>	<a href="#">5K3C2</a>	5000	-4.39%	3892	3	1.397	1.397	0.305	0.055	0.055	0.012
<a href="#">10K3C3</a>	<a href="#">10K3C2</a>	10000	-4.39%	3892	3	1.016	1.016	0.305	0.040	0.040	0.012
<a href="#">10K4C3</a>	<a href="#">10K4C2</a>	10000	-4.04%	3575	4	1.143	1.143	0.254	0.045	0.045	0.010
<a href="#">30K5C3</a>	<a href="#">30K5C2</a>	30000	-4.30%	3811	5	0.889	0.889	0.381	0.035	0.035	0.015
<a href="#">30K6C3</a>	<a href="#">30K6C2</a>	30000	-4.68%	4143	6	1.397	1.397	0.305	0.055	0.055	0.012
<a href="#">50K6C3</a>	<a href="#">50K6C2</a>	50000	-4.68%	4143	6	1.143	1.143	0.381	0.045	0.045	0.015
<a href="#">100K6C3</a>	<a href="#">100K6C2</a>	100000	-4.68%	4143	6	0.889	0.889	0.381	0.035	0.035	0.015
<a href="#">1M9C3</a>	<a href="#">1M9C2</a>	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