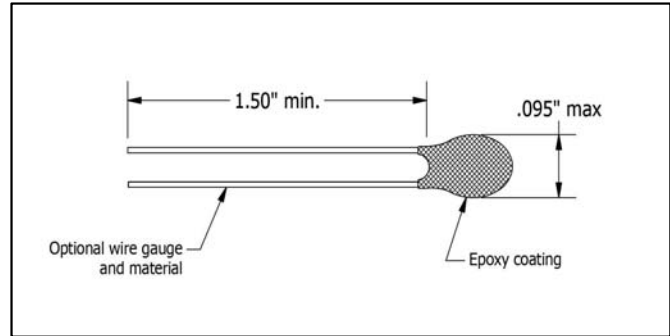


# EC1004C EPOXY COATED CHIP THERMISTOR

- \* 10k ohms at 25°C
- \* STI Curve C Material
- \* Beta (25/85) = 3690 K
- \* Temperature Range -40°C to +150°C
- \* Thermally conductive epoxy coating



EC1004C-A30B	
Wire Gauge	AWG #30
Wire Type	Tin-plated Nickel Alloy
Interchangeability	±0.2°C from 0°C to 70°C

EC1004C-C28B	
Wire Gauge	AWG #28
Wire Type	Tin-plated Copper
Interchangeability	±0.2°C from 0°C to 70°C

Note: Also available in ±0.1°C and ±0.5°C

FEATURES
* Proven high reliability
* Fast thermal response time
* Rugged construction
* Alloy lead wires for reduced stem effect
* Suitable for precision instrumentation
* Used extensively in temperature sensing probes / assemblies

MATERIAL		C	
(°C)	(°F)	Resistance (Ω)	TCR (%/°C)
-40	-40	239830	-5.91
-30	-22	135230	-5.55
-20	-4	78930	-5.22
-10	14	47550	-4.92
0	32	29490	-4.64
10	50	18780	-4.38
20	68	12270	-4.14
25	77	10000	-4.03
30	86	8196	-3.92
40	104	5593	-3.72
50	122	3893	-3.53
60	140	2760	-3.35
70	158	1990	-3.19
80	176	1458	-3.04
90	194	1084	-2.89
100	212	8172	-2.76
110	230	6241	-2.63
120	248	4824	-2.52
130	266	3772	-2.41
140	284	2981	-2.30
150	302	2380	-2.20

Contact STI Engineering for R v T tables in other increments

Sensing Technologies, Inc.  
 5582 Enterprise Parkway  
 Fort Myers, FL 33905  
 TEL 239-600- 6633  
 FAX 239-694-0031

Sensing Technologies, Inc.  
 1028 Graphite Road  
 St. Marys, PA 15857  
 TEL: 814-834-9480  
 FAX: 814-834-1556

For engineering assistance, contact  
[jsidoni@sensing-tech.com](mailto:jsidoni@sensing-tech.com)