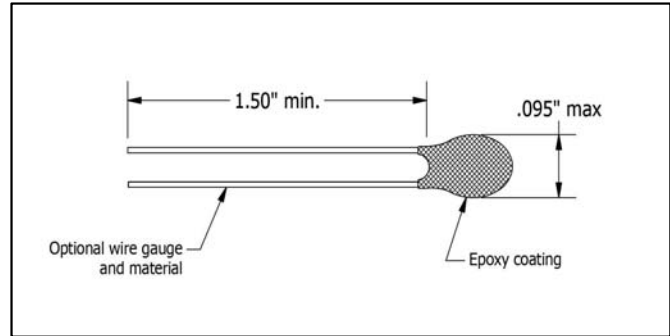


# EC5003Z EPOXY COATED CHIP THERMISTOR

- \* 5,000 ohms at 25°C
- \* STI Curve Z Material
- \* Beta (25/85) = 3976 K
- \* Temperature Range -40°C to +150°C
- \* Thermally conductive epoxy coating



EC5003Z-A30B	
Wire Gauge	AWG #30
Wire Type	Tin-plated Nickel Alloy
Interchangeability	±0.2°C from 0°C to 70°C

EC5003Z-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		Z	
(°C)	(°F)	Resistance (Ω)	TCR (%/°C)
-40	-40	168250	-6.65
-30	-22	88490	-6.21
-20	-4	48540	-5.81
-10	14	27660	-5.44
0	32	16325	-5.11
10	50	9950	-4.80
20	68	6245	-4.52
25	77	5000	-4.39
30	86	4029	-4.26
40	104	2663	-4.02
50	122	1802	-3.81
60	140	1244	-3.61
70	158	875.5	-3.42
80	176	627.5	-3.24
90	194	458.0	-3.08
100	212	339.0	-2.92
110	230	255.5	-2.77
120	248	195.0	-2.64
130	266	150.5	-2.52
140	284	117.5	-2.41
150	302	93.0	-2.30

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)