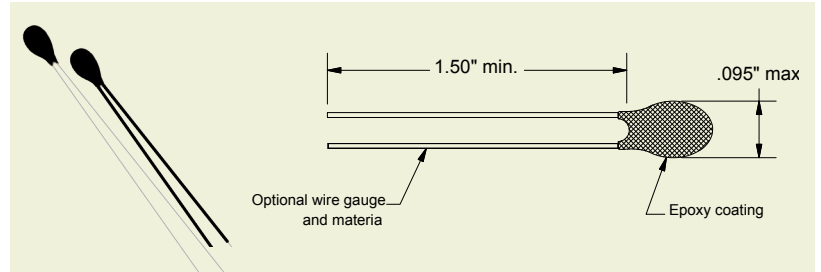


## EC1004Z EPOXY COATED CHIP THERMISTOR

- \* 10k ohms at 25°C
- \* STI Curve Z Material
- \* Beta (25/85) = 3976 K
- \* Temperature Range -40°C to +150°C
- \* Thermally conductive epoxy coating
- \* Max OD .095"



EC1004Z-A30B	
Wire Gauge	AWG #30
Wire Type	Tin-plated Nickel Alloy
Interchangeability	±0.2°C from 0°C to 70°C

EC1004Z-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	336,500	-6.65
-30	-22	176,980	-6.21
-20	-4	97,080	-5.81
-10	14	55,320	-5.44
0	32	32,650	-5.11
10	50	19,900	-4.80
20	68	12,490	-4.52
25	77	10,000	-4.39
30	86	8,057	-4.26
40	104	5,326	-4.02
50	122	3,603	-3.81
60	140	2,487	-3.61
70	158	1,751	-3.42
80	176	1,255	-3.24
90	194	916.0	-3.08
100	212	678.0	-2.92
110	230	511.0	-2.77
120	248	390.0	-2.64
130	266	301.0	-2.52
140	284	235.0	-2.41
150	302	186.0	-2.30

*Contact STI Engineering for R v T tables in other increments*

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