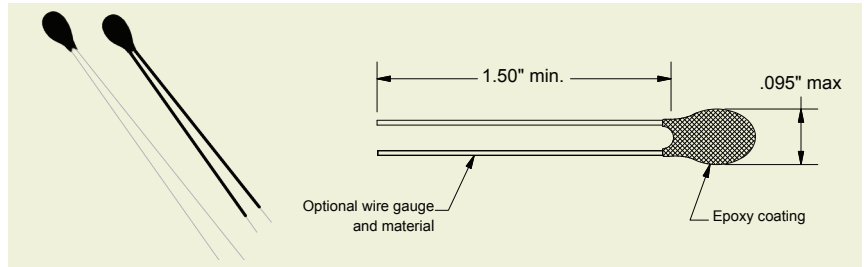


## EPOXY COATED CHIP STYLE NTC THERMISTORS

- \* Resistances from 1k to 100k ohms at 25°C
- \* Temperature Range -40°C to +150°C
- \* Thermally conductive epoxy coating
- \* Insulated lead wires available
- \* Other resistance values, materials available
- \* Thermistors below are .095" max OD, except EC1003Z which is .125" max OD and EC1004B which is .135" max OD



Part Number	Res. At 25°C (ohms)	Material Curve	Temp. Coef. (%/°C)	Beta (25/85)	Max OD (in)	OPTIONS
EC1003Z	1,000	Z	-4.39	3976	0.125	Wire Gauge: AWG#28 or AWG#30 Wire Type: Tin plated copper or Tin plated nickel alloy
EC2252Z	2,252	Z	-4.39	3976	0.095	
EC3003Z	3,000	Z	-4.39	3976	0.095	
EC5003Z	5,000	Z	-4.39	3976	0.095	ACCURACY
EC1004B*	10,000	B	-3.75	3435	0.135	Point Match: ±1%, ±2%, ±5% at 25°C Interchangeable: 105°C max ±0.1°C from 0°C to 70°C 125°C max ±0.2°C from 0°C to 70°C 150°C max ±0.5°C from 0°C to 70°C
EC1004C	10,000	C	-4.03	3690	0.095	
EC1004Z	10,000	Z	-4.39	3976	0.095	
EC3004Z	30,000	Z	-4.39	3976	0.095	
EC3004D	30,000	D	-4.68	4260	0.095	
EC5004D	50,000	D	-4.68	4260	0.095	
EC1005D	100,000	D	-4.68	4260	0.095	

\* p/n EC1004B is only available with a ±1% at 25°C resistance tolerance. See p/n data sheet for specification and drawing.

MATERIAL		B		C		Z		D	
(°C)	(°F)	Rt/R25	TCR (%/°C)	Rt/R25	TCR (%/°C)	Rt/R25	TCR (%/°C)	Rt/R25	TCR (%/°C)
-40	-40	18.850	-5.47	23.983	-5.91	33.650	-6.65	40.671	-6.94
-30	-22	11.130	-5.14	13.523	-5.55	17.698	-6.21	20.774	-6.50
-20	-4	6.777	-4.83	7.893	-5.22	9.708	-5.81	11.065	-6.10
-10	14	4.247	-4.56	4.755	-4.92	5.532	-5.44	6.124	-5.74
0	32	2.728	-4.30	2.949	-4.64	3.265	-5.11	3.510	-5.40
10	50	1.796	-4.07	1.878	-4.38	1.990	-4.80	2.078	-5.09
20	68	1.209	-3.85	1.227	-4.14	1.249	-4.52	1.267	-4.80
25	77	1.000	-3.75	1.000	-4.03	1.000	-4.39	1.000	-4.67
30	86	0.8313	-3.69	0.8196	-3.92	0.8057	-4.26	0.7943	-4.54
40	104	0.5827	-3.46	0.5593	-3.72	0.5326	-4.02	0.5106	-4.30
50	122	0.4160	-3.29	0.3893	-3.53	0.3603	-3.81	0.3360	-4.07
60	140	0.3020	-3.12	0.2760	-3.35	0.2487	-3.61	0.2259	-3.87
70	158	0.2228	-2.97	0.1990	-3.19	0.1751	-3.42	0.1550	-3.67
80	176	0.1668	-2.83	0.1458	-3.04	0.1255	-3.24	0.1084	-3.49
90	194	0.1266	-2.70	0.1084	-2.89	0.0916	-3.08	0.0771	-3.32
100	212	0.0973	-2.58	0.8172	-2.76	0.0678	-2.92	0.0557	-3.17
110	230	0.0413	-2.46	0.6241	-2.63	0.0511	-2.77	0.0409	-3.02
120	248			0.4824	-2.52	0.0390	-2.64	0.0305	-2.88
130	266			0.3772	-2.41	0.0301	-2.52	0.0230	-2.75
140	284			0.2981	-2.30	0.0235	-2.41	0.0176	-2.63
150	302			0.2380	-2.20	0.0186	-2.30	0.0136	-2.52

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