MODEL 44015

Precision Epoxy NTC Thermistor

- 1 Meg-ohm Resistance @ 25°C
- Interchangeable ±0.2°C, 0°C to 70°C
- Pressed Disk Ceramic Sensor
- High sensitivity
- Thermally conductive epoxy coating
- 0.095” (2.4 mm) Maximum Diameter
- 32 AWG, 3” (7.6 cm) long Silver plated copper leads
- RoHS Compliant

FEATURES

- 1 Meg-ohm Resistance @ 25°C
- Interchangeability
- Good Long Term Stability
- High Sensitivity
- Thermally Conductive Epoxy Coating
- RoHS Compliance

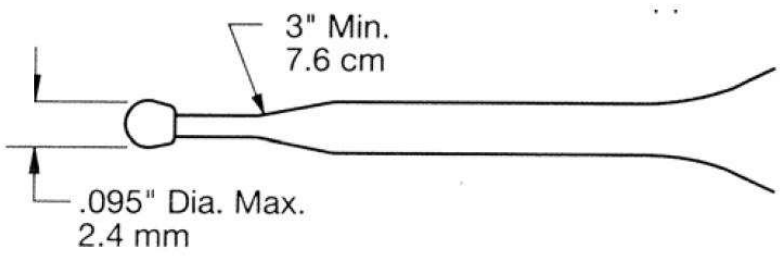
APPLICATIONS

- High-range Temperature Applications
- Tight Tolerance Instrumentation
- General Applications Requiring Stability
- Applications Requiring Sensing Small Changes in Temperature
- Non-condensing Moisture Environments
- Allows use in Applications World-wide

PERFORMANCE SPECS

Parameter	Units	Value
Resistance @ 25°C	Ohms	1,000,000
Tolerance 0°C to 70°C	°C	± 0.2
Beta Value 25/85	K	4803
Tolerance on Beta Value	%	0.8
Time response in air	Seconds	< 10
Dissipation Constant in air	mW/°C	1
Insulation Resistance (Min. of 100 Mohms for 1 sec.)	Volts	500

MECHANICAL DETAILS



TYPICAL PERFORMANCE CURVES (RESISTANCE OF INDIVIDUAL THERMISTORS)

Temp °C	K-Ohms	Temp °C	K-Ohms	Temp °C	K-Ohms	Temp °C	K-Ohms	Temp °C	K-Ohms
0	3966	30	774.5	60	189.1	90	55.48	120	19.03
1	3740	31	736.5	61	181	91	53.41	121	18.41
2	3529	32	700.5	62	173.3	92	51.42	122	17.81
3	3330	33	666.4	63	166	93	49.52	123	17.23
4	3144	34	634.1	64	159	94	47.69	124	16.68
5	2969	35	603.6	65	152.3	95	45.94	125	16.14
6	2804	36	574.6	66	146	96	44.26	126	15.62
7	2649	37	547.2	67	139.9	97	42.65	127	15.12
8	2504	38	521.2	68	134.1	98	41.1	128	14.64
9	2367	39	496.6	69	128.6	99	39.62	129	14.18
10	2238	40	473.2	70	123.3	100	38.2	130	13.74
11	2117	41	451	71	118.3	101	36.84	131	13.31
12	2003	42	430	72	113.5	102	35.53	132	12.89
13	1896	43	410	73	108.9	103	34.27	133	12.49
14	1795	44	391.1	74	104.5	104	33.06	134	12.1
15	1700	45	373.1	75	100.3	105	31.91	135	11.73
16	1610	46	356.1	76	96.31	106	30.79	136	11.37
17	1525	47	339.8	77	92.48	107	29.72	137	11.02
18	1446	48	324.4	78	88.82	108	28.69	138	10.69
19	1370	49	309.8	79	85.32	109	27.71	139	10.36
20	1299	50	295.9	80	81.98	110	26.76	140	10.05
21	1232	51	282.7	81	78.78	111	25.84	141	9.746
22	1169	52	270.1	82	75.71	112	24.96	142	9.455
23	1110	53	258.1	83	72.78	113	24.12	143	9.173
24	1053	54	246.7	84	69.98	114	23.31	144	8.901
25	1000	55	235.9	85	67.29	115	22.52	145	8.637
26	949.7	56	225.6	86	64.72	116	21.77	146	8.383
27	902.2	57	215.8	87	62.26	117	21.05	147	8.137
28	857.2	58	206.4	88	59.91	118	20.35	148	7.899
29	814.7	59	197.5	89	57.65	119	19.68	149	7.669
								150	7.447