



MODEL 45004

Glass NTC Thermistor

- 2252 ohm Resistance @ 25°C
- Interchangeable $\pm 0.2^{\circ}\text{C}$, 0°C to 70°C
- Pressed Disk Ceramic Sensor
- High sensitivity
- Thermally conductive epoxy coating
- 32 AWG, 3" (7.6 cm) long Gold plated Dumet leads
- RoHS Compliant

FEATURES

- Glass Hermetic Seal
- 2252 Ohm Resistance @ 25°C
- Interchangeability
- Excellent High Temperature Performance
- Superior Long Term Stability
- High Sensitivity
- Thermally Conductive Epoxy Coating
- RoHS Compliance

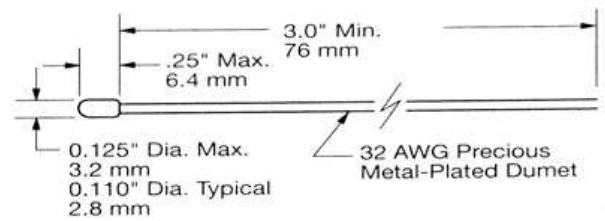
APPLICATIONS

- High Moisture Applications
- Low to Mid Range Temperature Applications
- Tight Tolerance Instrumentation
- Up to 250°C
- Applications Requiring Excellent 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	2252
Tolerance 0°C to 70°C	°C	± 0.2
Beta Value 25/85	K	3978
Tolerance on Beta Value	%	0.8
Time response in air	Seconds	< 2.5
Dissipation Constant in air	mW/°C	10
Insulation Resistance (Min. of 100 Mohms for 1 sec.)	Volts	500

MECHANICAL DETAILS



RESISTANCE VS. TEMPERATURE TABLE

Temp °C	K-Ohms	Temp °C	K-Ohms	Temp °C	K-Ohms	Temp °C	K-Ohms	Temp °C	K-Ohms
-55	217.100	-13	14.700	29	1.894	71	0.3812	113	0.1058
-54	201.700	-12	13.910	30	1.815	72	0.3685	114	0.1030
-53	187.400	-11	13.160	31	1.739	73	0.3562	115	0.1002
-52	174.300	-10	12.460	32	1.667	74	0.3445	116	0.0976
-51	162.200	-9	11.810	33	1.599	75	0.3331	117	0.0950
-50	151.000	-8	11.190	34	1.533	76	0.3223	118	0.0925
-49	140.600	-7	10.600	35	1.471	77	0.3118	119	0.0900
-48	131.000	-6	10.050	36	1.412	78	0.3017	120	0.0877
-47	122.100	-5	9.534	37	1.355	79	0.2920	121	0.0854
-46	113.900	-4	9.046	38	1.301	80	0.2827	122	0.0832
-45	106.300	-3	8.586	39	1.249	81	0.2737	123	0.0811
-44	99.260	-2	8.151	40	1.200	82	0.2650	124	0.0790
-43	92.720	-1	7.741	41	1.152	83	0.2567	125	0.0770
-42	86.650	0	7.355	42	1.107	84	0.2486	126	0.0750
-41	81.020	1	6.989	43	1.064	85	0.2409	127	0.0731
-40	75.790	2	6.644	44	1.023	86	0.2334	128	0.0713
-39	70.930	3	6.319	45	0.9838	87	0.2262	129	0.0695
-38	66.410	4	6.011	46	0.9462	88	0.2193	130	0.0678
-37	62.210	5	5.719	47	0.9102	89	0.2126	131	0.0661
-36	58.300	6	5.444	48	0.8758	90	0.2061	132	0.0644
-35	54.660	7	5.183	49	0.8428	91	0.1999	133	0.0629
-34	51.270	8	4.937	50	0.8113	92	0.1939	134	0.0613
-33	48.110	9	4.703	51	0.7811	93	0.1881	135	0.0598
-32	45.170	10	4.482	52	0.7522	94	0.1825	136	0.0584
-31	42.420	11	4.273	53	0.7245	95	0.1771	137	0.0570
-30	39.860	12	4.074	54	0.6979	96	0.1719	138	0.0556
-29	37.470	13	3.886	55	0.6725	97	0.1669	139	0.0543
-28	35.240	14	3.708	56	0.6481	98	0.1620	140	0.0530
-27	33.150	15	3.539	57	0.6248	99	0.1573	141	0.0517
-26	31.200	16	3.378	58	0.6024	100	0.1528	142	0.0505
-25	29.380	17	3.226	59	0.5809	101	0.1484	143	0.0493
-24	27.670	18	3.081	60	0.5603	102	0.1442	144	0.0482
-23	26.070	19	2.944	61	0.5405	103	0.1401	145	0.0470
-22	24.580	20	2.814	62	0.5215	104	0.1361	146	0.0459
-21	23.180	21	2.690	63	0.5033	105	0.1323	147	0.0449
-20	21.870	22	2.572	64	0.4858	106	0.1286	148	0.0438
-19	20.640	23	2.460	65	0.4690	107	0.1250	149	0.0428
-18	19.480	24	2.354	66	0.4529	108	0.1216	150	0.0418
-17	18.400	25	2.252	67	0.4374	109	0.1182		
-16	17.390	26	2.156	68	0.4225	110	0.1150		
-15	16.430	27	2.064	69	0.4082	111	0.1118		
-14	15.540	28	1.977	70	0.3945	112	0.1088		

ORDERING INFORMATION

Model Number	Description	Ω @25°C	MOQ
090048	45004 THERMISTOR	2252	100
091530	45004-BP (100 PCS) THERM	2252	100

* For quantities less than Minimum Order Quantity – contact distribution

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