



MODEL 45017

High Temp Glass NTC Thermistor

- Superior Long Term Stability
- Glass Hermetic Seal
- Use up to 250°C
- 6000 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
- 6000 Ohm Resistance @ 25°C
- Interchangeability
- Excellent High Temperature Performance
- Superior Long Term Stability
- High Sensitivity
- Thermally Conductive Epoxy Coating
- RoHS Compliance

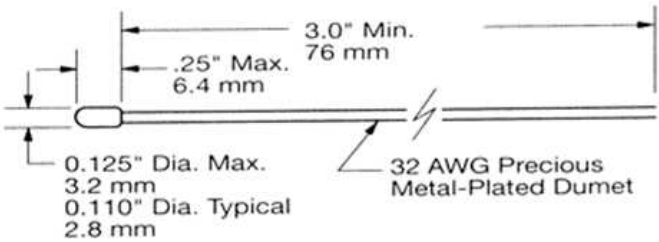
APPLICATIONS

- High Moisture Applications
- Low to Mid Range Temperature Applications
- Tight Tolerance Instrumentation
- 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	6000
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	578.400	-13	39.170	29	5.046	71	1.0160	113	0.2819
-54	537.400	-12	37.060	30	4.836	72	0.9818	114	0.2744
-53	499.300	-11	35.060	31	4.633	73	0.9490	115	0.2670
-52	464.400	-10	33.200	32	4.441	74	0.9179	116	0.2600
-51	432.100	-9	31.470	33	4.260	75	0.8875	117	0.2531
-50	402.300	-8	29.810	34	4.084	76	0.8587	118	0.2464
-49	374.600	-7	28.240	35	3.919	77	0.8307	119	0.2398
-48	349.000	-6	26.780	36	3.762	78	0.8038	120	0.2337
-47	325.300	-5	25.400	37	3.610	79	0.7780	121	0.2275
-46	303.500	-4	24.100	38	3.466	80	0.7532	122	0.2217
-45	283.200	-3	22.880	39	3.328	81	0.7292	123	0.2161
-44	264.500	-2	21.720	40	3.197	82	0.7060	124	0.2105
-43	247.000	-1	20.620	41	3.069	83	0.6839	125	0.2052
-42	230.900	0	19.600	42	2.949	84	0.6623	126	0.1998
-41	215.900	1	18.620	43	2.835	85	0.6418	127	0.1948
-40	201.900	2	17.700	44	2.726	86	0.6218	128	0.1900
-39	189.000	3	16.840	45	2.621	87	0.6027	129	0.1852
-38	176.900	4	16.020	46	2.521	88	0.5843	130	0.1806
-37	165.700	5	15.240	47	2.425	89	0.5664	131	0.1761
-36	155.300	6	14.500	48	2.333	90	0.5491	132	0.1716
-35	145.600	7	13.810	49	2.246	91	0.5326	133	0.1676
-34	136.600	8	13.150	50	2.162	92	0.5166	134	0.1633
-33	128.200	9	12.530	51	2.081	93	0.5012	135	0.1593
-32	120.300	10	11.940	52	2.004	94	0.4862	136	0.1556
-31	113.000	11	11.380	53	1.930	95	0.4718	137	0.1519
-30	106.200	12	10.850	54	1.859	96	0.4580	138	0.1481
-29	99.830	13	10.350	55	1.792	97	0.4447	139	0.1447
-28	93.890	14	9.879	56	1.727	98	0.4316	140	0.1412
-27	88.320	15	9.429	57	1.665	99	0.4191	141	0.1377
-26	83.130	16	9.000	58	1.605	100	0.4071	142	0.1345
-25	78.280	17	8.595	59	1.548	101	0.3954	143	0.1313
-24	73.720	18	8.209	60	1.493	102	0.3842	144	0.1284
-23	69.460	19	7.844	61	1.440	103	0.3733	145	0.1252
-22	65.490	20	7.497	62	1.389	104	0.3626	146	0.1223
-21	61.760	21	7.167	63	1.341	105	0.3525	147	0.1196
-20	58.270	22	6.853	64	1.294	106	0.3426	148	0.1167
-19	54.990	23	6.554	65	1.2500	107	0.3330	149	0.1140
-18	51.900	24	6.272	66	1.2070	108	0.3240	150	0.1115
-17	49.020	25	6.000	67	1.1650	109	0.3149		
-16	46.330	26	5.744	68	1.1260	110	0.3064		
-15	43.770	27	5.499	69	1.0880	111	0.2979		
-14	41.400	28	5.267	70	1.0510	112	0.2899		

ORDERING INFORMATION

MODEL 45017

High Temp Glass NTC Thermistor

Model Number	Description	Ω @25°C	MOQ
090054	45017 THERM	6,000	100
091536	45017-BP THERM	6,000	100

* For quantities less than Minimum Order Quantity – contact distribution

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