



MODEL 45006

High Temp Glass NTC Thermistor

- Superior Long Term Stability
- Glass Hermetic Seal
- Use up to 250°C
- 10,000 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
- 10,000 Ohm Resistance @ 25°C
- Interchangeability
- Excellent High Temperature Performance
- Superior Long Term Stability
- High Sensitivity
- Thermally Conductive Epoxy Coating
- RoHS Compliance

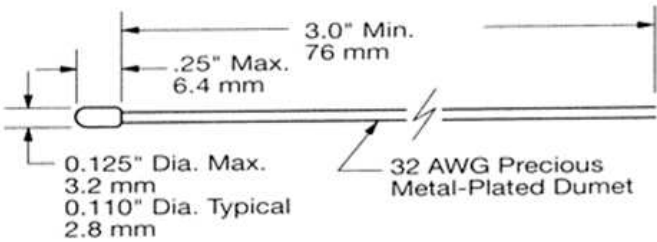
APPLICATIONS

- 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	10,000
Tolerance 0°C to 70°C	°C	± 0.2
Beta Value 25/85	K	3694
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	607.800	-13	55.170	29	8.523	71	1.9280	113	0.5764
-54	569.600	-12	52.480	30	8.194	72	1.8680	114	0.5616
-53	534.100	-11	49.940	31	7.880	73	1.8100	115	0.5473
-52	501.000	-10	47.540	32	7.579	74	1.7540	116	0.5334
-51	470.100	-9	45.270	33	7.291	75	1.7000	117	0.5199
-50	441.300	-8	43.110	34	7.016	76	1.6480	118	0.5068
-49	414.500	-7	41.070	35	6.752	77	1.5980	119	0.4941
-48	389.400	-6	39.140	36	6.500	78	1.5490	120	0.4818
-47	366.000	-5	37.310	37	6.258	79	1.5030	121	0.4698
-46	344.100	-4	35.570	38	6.026	80	1.4580	122	0.4582
-45	323.700	-3	33.930	39	5.805	81	1.4140	123	0.4469
-44	304.600	-2	32.370	40	5.592	82	1.3720	124	0.4359
-43	286.700	-1	30.890	41	5.389	83	1.3320	125	0.4253
-42	270.000	0	29.490	42	5.193	84	1.2930	126	0.4149
-41	254.400	1	28.150	43	5.006	85	1.2550	127	0.4049
-40	239.800	2	26.890	44	4.827	86	1.2180	128	0.3951
-39	226.000	3	25.690	45	4.655	87	1.1830	129	0.3856
-38	213.200	4	24.550	46	4.489	88	1.1490	130	0.3764
-37	201.100	5	23.460	47	4.331	89	1.1160	131	0.3674
-36	189.800	6	22.430	48	4.179	90	1.0840	132	0.3587
-35	179.200	7	21.450	49	4.033	91	1.0530	133	0.3503
-34	169.300	8	20.520	50	3.893	92	1.0230	134	0.3420
-33	160.000	9	19.630	51	3.758	93	0.9942	135	0.3340
-32	151.200	10	18.790	52	3.629	94	0.9663	136	0.3263
-31	143.000	11	17.980	53	3.504	95	0.9393	137	0.3187
-30	135.200	12	17.220	54	3.385	96	0.9132	138	0.3113
-29	127.900	13	16.490	55	3.270	97	0.8879	139	0.3042
-28	121.100	14	15.790	56	3.160	98	0.8634	140	0.2972
-27	114.600	15	15.130	57	3.054	99	0.8397	141	0.2904
-26	108.600	16	14.500	58	2.952	100	0.8168	142	0.2838
-25	102.900	17	13.900	59	2.854	101	0.7946	143	0.2774
-24	97.490	18	13.330	60	2.760	102	0.7731	144	0.2712
-23	92.430	19	12.790	61	2.669	103	0.7523	145	0.2651
-22	87.660	20	12.260	62	2.582	104	0.7321	146	0.2592
-21	83.160	21	11.770	63	2.497	105	0.7126	147	0.2534
-20	78.910	22	11.290	64	2.417	106	0.6936	148	0.2478
-19	74.910	23	10.840	65	2.3390	107	0.6753	149	0.2423
-18	71.130	24	10.410	66	2.2640	108	0.6575	150	0.2370
-17	67.570	25	10.000	67	2.1910	109	0.6403		
-16	64.200	26	9.605	68	2.1220	110	0.6235		
-15	61.020	27	9.227	69	2.0550	111	0.6073		
-14	58.010	28	8.867	70	1.9900	112	0.5916		

MODEL 45006

Precision Epoxy NTC Thermistor

ORDERING INFORMATION

Model Number	Description	Ω @25°C	MOQ
090050	45006 THERMISTOR	10,000	100
091532	45006-BP (100 PCS) THERM	10,000	100

* For quantities less than Minimum Order Quantity – contact distribution

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