



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

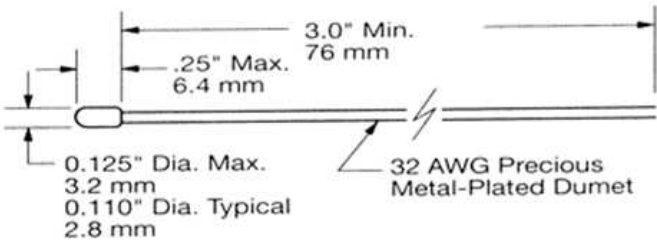
APPLICATIONS

- 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

NORTH AMERICA

Measurement Specialties, Inc.,
a TE Connectivity Company
Tel: 800-522-6752
customercare.ando@te.com

EUROPE

Measurement Specialties (Europe), Ltd.,
a TE Connectivity Company
Tel: 800-440-5100
customercare.tlse@te.com

ASIA

Measurement Specialties (China), Ltd.,
a TE Connectivity Company
Tel: 0400-820-6015
customercare.chdu@te.com

te.com/sensorsolutions

Measurement Specialties, Inc., a TE Connectivity company.

Measurement Specialties (MEAS), American Sensor Technologies (AST), TE Connectivity, TE Connectivity (logo) and EVERY CONNECTION COUNTS are trademarks. All other logos, products and/or company names referred to herein might be trademarks of their respective owners.

The information given herein, including drawings, illustrations and schematics which are intended for illustration purposes only, is believed to be reliable. However, TE Connectivity makes no warranties as to its accuracy or completeness and disclaims any liability in connection with its use. TE Connectivity's obligations shall only be as set forth in TE Connectivity's Standard Terms and Conditions of Sale for this product and in no case will TE Connectivity be liable for any incidental, indirect or consequential damages arising out of the sale, resale, use or misuse of the product. Users of TE Connectivity products should make their own evaluation to determine the suitability of each such product for the specific application.

© 2016 TE Connectivity Ltd. family of companies All Rights Reserved.

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[TE Connectivity:](#)

[091532](#) [090050](#)