



MODEL 55034

Precision Glass NTC Thermistor

- Excellent Long Term Stability
- Glass Hermetic Seal
- Use up to 200°C
- 5000 ohm Resistance @ 25°C
- Interchangeable $\pm 0.1^{\circ}\text{C}$, 0°C to 70°C
- Pressed Disk Ceramic Sensor
- High sensitivity
- 0.095" (2.4 mm) Maximum Diameter
- 32 AWG, 2.5" (6.4 cm) long Gold Plated Dumet leads
- RoHS Compliance

FEATURES

- Glass Hermetic Seal
- 5000 Ohm Resistance @ 25°C
- 0.095" (2.4 mm) Maximum Diameter
- Interchangeability
- Excellent High Temperature Performance
- Excellent Long Term Stability
- High Sensitivity
- RoHS Compliance

APPLICATIONS

- High Moisture Applications
- Low to Mid Range Temperature Applications
- Drop in Replacement for 44000 Series Epoxy
- Tight Tolerance Instrumentation
- Use up to 200°C
- Applications Requiring Improved Stability
- Applications Requiring Sensing Small Changes in Temperature
- Allows use in Applications World-wide

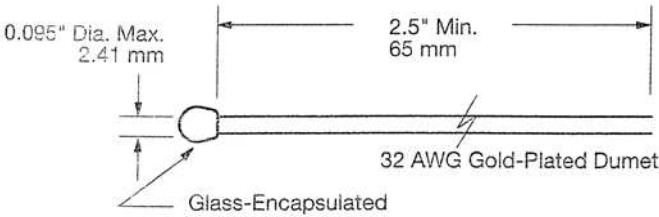
MODEL 55034

Precision Glass NTC Thermistor

PERFORMANCE SPECS

Parameter	Units	Value
Resistance @ 25°C	Ohms	5000
Tolerance 0°C to 70°C	°C	± 0.1
Beta Value 25/85	K	3978
Tolerance on Beta Value	%	0.4
Time response in air	Seconds	< 15
Dissipation Constant in air	mW/°C	1.5
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	482.200	-15	36.490	25	5.000	65	1.0410	105	0.2940
-54	447.900	-14	34.500	26	4.787	66	1.0060	106	0.2857
-53	416.300	-13	32.630	27	4.583	67	0.9711	107	0.2778
-52	387.100	-12	30.880	28	4.389	68	0.9380	108	0.2701
-51	360.200	-11	29.230	29	4.204	69	0.9063	109	0.2626
-50	335.300	-10	27.670	30	4.029	70	0.8757	110	0.2554
-49	312.300	-9	26.210	31	3.861	71	0.8464	111	0.2484
-48	291.000	-8	24.830	32	3.702	72	0.8183	112	0.2416
-47	271.300	-7	23.540	33	3.549	73	0.7912	113	0.2351
-46	253.000	-6	22.320	34	3.404	74	0.7651	114	0.2287
-45	236.200	-5	21.170	35	3.266	75	0.7400	115	0.2226
-44	220.500	-4	20.080	36	3.134	76	0.7159	116	0.2167
-43	205.900	-3	19.060	37	3.008	77	0.6927	117	0.2109
-42	192.500	-2	18.100	38	2.888	78	0.6703	118	0.2053
-41	180.000	-1	17.190	39	2.773	79	0.6488	119	0.1999
-40	168.300	0	16.330	40	2.663	80	0.6281	120	0.1947
-39	157.500	1	15.520	41	2.559	81	0.6082	121	0.1896
-38	147.500	2	14.750	42	2.459	82	0.5889	122	0.1847
-37	138.200	3	14.030	43	2.363	83	0.5704	123	0.1799
-36	129.500	4	13.340	44	2.272	84	0.5526	124	0.1753
-35	121.400	5	12.700	45	2.184	85	0.5354	125	0.1708
-34	113.900	6	12.090	46	2.101	86	0.5188	126	0.1664
-33	106.900	7	11.510	47	2.021	87	0.5028	127	0.1622
-32	100.300	8	10.960	48	1.944	88	0.4874	128	0.1581
-31	94.220	9	10.440	49	1.871	89	0.4726	129	0.1541
-30	88.530	10	9.951	50	1.801	90	0.4582	130	0.1503
-29	83.220	11	9.486	51	1.734	91	0.4444	131	0.1465
-28	78.260	12	9.046	52	1.670	92	0.4310	132	0.1429
-27	73.620	13	8.628	53	1.608	93	0.4182	133	0.1394
-26	69.290	14	8.232	54	1.549	94	0.4057	134	0.1360
-25	65.240	15	7.857	55	1.493	95	0.3937	135	0.1326
-24	61.450	16	7.500	56	1.439	96	0.3821	136	0.1294
-23	57.900	17	7.162	57	1.387	97	0.3709	137	0.1263
-22	54.580	18	6.841	58	1.337	98	0.3601	138	0.1232
-21	51.470	19	6.536	59	1.290	99	0.3497	139	0.1203
-20	48.560	20	6.247	60	1.244	100	0.3396	140	0.1174
-19	45.830	21	5.972	61	1.200	101	0.3298	141	0.1146
-18	43.270	22	5.710	62	1.158	102	0.3204	142	0.1119
-17	40.860	23	5.462	63	1.117	103	0.3113	143	0.1092
-16	38.610	24	5.225	64	1.079	104	0.3025	144	0.1067
								145	0.1042
								146	0.1018
								147	0.0994
								148	0.0971
								149	0.0949
								150	0.0927

MODEL 55034

Precision Glass NTC Thermistor

ORDERING INFORMATION

Model Number	Description	Ω @25°C	MOQ
055113	55034 GEM THERM	5000	200
055313	55034-BP (100 PCS) GEM THERM	5000	200

* 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:](#)

[11027568-00](#)