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With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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55036 Precision Glass NTC Thermistor



- Excellent Long Term Stability
- Glass Hermetic Seal
- Use up to 200°C
- 10,000 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 Compliant

DESCRIPTION

Moisture-proof Hermetic Glass Encapsulated Precision Interchangeable NTC Thermistor utilizing high stability pressed-disk ceramic sensor for general applications.

FEATURES

- Glass Hermetic Seal
- 10,000 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

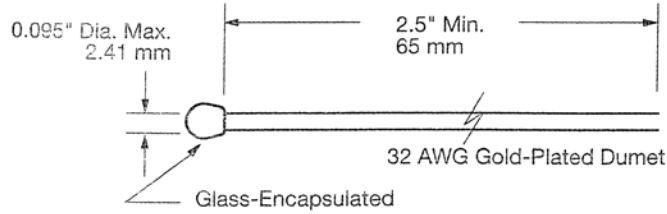
- High Moisture Applications
- Low to Mid Range Temperature Applications
- Drop in Replacement for 44000 Series Epoxy
- Tight Tolerance Instrumentation
- Use up to 200°C
- Applications Requiring Improved Stability
- Applications Requiring Sensing Small Changes in Temperature
- Allows use in Applications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

PERFORMANCE SPECS

Parameter	Units	Value
Resistance @ 25°C	Ohms	10,000
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 100Mohms for 1 Sec.)	Volts	500

55036 Precision Glass NTC Thermistor

MECHANICAL DETAILS



RESISTANCE V TEMPERATURE TABLE

-55	964.000	-15	72.960	25	10.000	65	2.0830	105	0.5875
-54	895.600	-14	69.010	26	9.574	66	2.0110	106	0.5710
-53	832.100	-13	65.280	27	9.165	67	1.9420	107	0.5551
-52	774.000	-12	61.770	28	8.779	68	1.8760	108	0.5400
-51	720.200	-11	58.440	29	8.410	69	1.8130	109	0.5249
-50	670.500	-10	55.330	30	8.060	70	1.7520	110	0.5107
-49	624.300	-9	52.440	31	7.722	71	1.6930	111	0.4964
-48	581.700	-8	49.690	32	7.402	72	1.6360	112	0.4831
-47	542.200	-7	47.070	33	7.100	73	1.5820	113	0.4698
-46	505.800	-6	44.630	34	6.807	74	1.5300	114	0.4574
-45	472.000	-5	42.340	35	6.532	75	1.4790	115	0.4449
-44	440.800	-4	40.170	36	6.270	76	1.4310	116	0.4334
-43	411.700	-3	38.130	37	6.017	77	1.3850	117	0.4218
-42	384.800	-2	36.190	38	5.777	78	1.3400	118	0.4107
-41	359.800	-1	34.370	39	5.546	79	1.2970	119	0.3996
-40	336.500	0	32.660	40	5.329	80	1.2550	120	0.3894
-39	315.000	1	31.030	41	5.116	81	1.2150	121	0.3792
-38	294.900	2	29.500	42	4.916	82	1.1770	122	0.3694
-37	276.200	3	28.060	43	4.725	83	1.1400	123	0.3601
-36	258.900	4	26.690	44	4.543	84	1.1040	124	0.3508
-35	242.700	5	25.400	45	4.369	85	1.0700	125	0.3419
-34	227.700	6	24.170	46	4.202	86	1.0360	126	0.3330
-33	213.600	7	23.020	47	4.042	87	1.0040	127	0.3246
-32	200.600	8	21.920	48	3.889	88	0.9738	128	0.3166
-31	188.400	9	20.880	49	3.743	89	0.9441	129	0.3086
-30	177.000	10	19.900	50	3.603	90	0.9152	130	0.3011
-29	166.400	11	18.970	51	3.469	91	0.8877	131	0.2935
-28	156.500	12	18.090	52	3.340	92	0.8610	132	0.2860
-27	147.200	13	17.260	53	3.217	93	0.8353	133	0.2793
-26	138.500	14	16.470	54	3.099	94	0.8104	134	0.2722
-25	130.500	15	15.710	55	2.986	95	0.7864	135	0.2655
-24	122.900	16	15.000	56	2.878	96	0.7633	136	0.2593
-23	115.800	17	14.330	57	2.774	97	0.7411	137	0.2531
-22	109.100	18	13.680	58	2.675	98	0.7194	138	0.2469
-21	102.900	19	13.070	59	2.580	99	0.6985	139	0.2411
-20	97.110	20	12.500	60	2.488	100	0.6785	140	0.2353
-19	91.650	21	11.940	61	2.400	101	0.6590	141	0.2296
-18	86.500	22	11.420	62	2.316	102	0.6403	142	0.2242
-17	81.710	23	10.920	63	2.235	103	0.6221	143	0.2189
-16	77.220	24	10.450	64	2.157	104	0.6044	144	0.2140
								145	0.2087
								146	0.2038
								147	0.1994
								148	0.1945
								149	0.1901
								150	0.1859

55036 Precision Glass NTC Thermistor

ORDERING INFORMATION

Part Number	Description	Ω @25°C	MOQ
055114	55036 GEM THERM	10,000	200
055314	55036-BP (100 PCS) GEM THERM	10,000	200

* For quantities less than Minimum Order Quantity – contact distribution

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