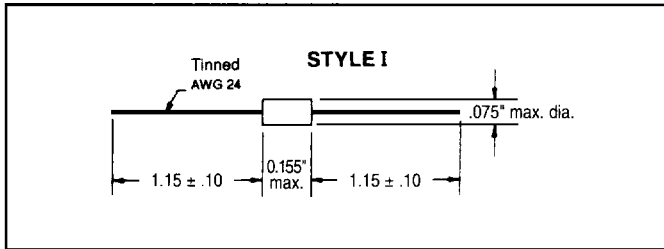


# NTC THERMISTORS: GLASS ENCAPSULATED THERMISTORS

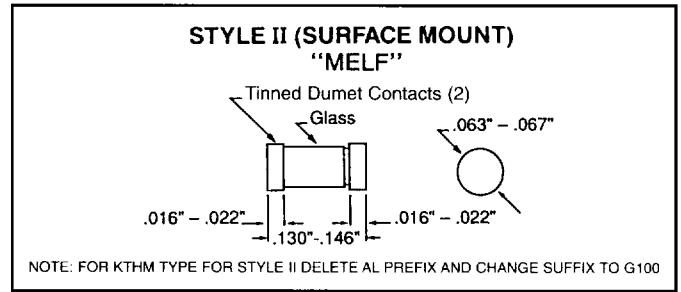


Temperature Range: -50°C to 204°C  
Dissipation Constant: 3.0 mW/°C  
Time Constant: 7 seconds

### Packaging Options

#### Available Upon Request:

- Style I — Axial reel tape to EIA RS-296
- Style II — Pocket tape to EIA RS-481



NOTE: FOR KTHM TYPE FOR STYLE II DELETE AL PREFIX AND CHANGE SUFFIX TO G100

Keystone Thermometrics glass encapsulated NTC thermistors are tiny pellets of thermistor material hermetically sealed in glass bodies with a controlled amount of selected atmosphere. The hermetic seal makes these parts extremely stable in applications up to 204°C (400°F).

Type	R <sub>0</sub> @ 25°C ±10%	Temp. Coef. @ 25°C (%/°C)	Material
AL03006-165.9-55-G1	250	-3.34	GE55*
AL03006-331.8-55-G1	500	-3.34	GE55*
AL03006-624-73-G1	1K	-3.83	GE73
AL03006-1248-73-G1	2K	-3.83	GE73
AL03006-1576-101-G1	2786	-4.68	GE101
AL03006-1847-76-G1	3K	-3.85	GE76
AL03006-2463-76-G1	4K	-3.85	GE76
AL03006-3079-76-G1	5K	-3.85	GE76

Type	R <sub>0</sub> @ 25°C ±10%	Temp. Coef. @ 25°C (%/°C)	Material
AL03006-5818-97-G1	10K	-4.41	GE97A
AL03006-11.7K-98-G1	20K	-4.34	GE98
AL03006-17.53K-98-G1	30K	-4.34	GE98
AL03006-29.1K-97-G1	50K	-4.32	GE97B
AL03006-58.2K-97-G1	100K	-4.32	GE97B
AL03006-111.3K-123-G1	200K	-4.71	GE123
AL03006-269.8K-138-G1	500K	-4.99	GE138
AL03006-535K-145-G1	1M	-5.07	GE145

\*Maximum operating temperature: 150°C

Temp. °C	GE55	GE73	GE76	GE97A	GE97B	GE98	GE101	GE123	GE138	GE145
-50	26.96	44.48	45.15	70.11	61.32	63.38	102.1	98.31	106.9	113.9
-40	15.51	23.82	24.09	34.79	31.45	32.19	47.69	46.88	50.40	53.54
-30	9.308	13.32	13.44	18.15	16.83	17.10	23.48	23.26	24.93	26.30
-20	5.800	7.740	7.791	9.893	9.362	9.454	12.12	11.96	12.87	13.44
-10	3.736	4.655	4.678	5.610	5.388	5.419	6.528	6.350	6.908	7.122
0	2.479	2.888	2.899	3.296	3.199	3.208	3.650	3.473	3.838	3.897
10	1.693	1.850	1.856	2.000	1.968	1.972	2.107	2.075	2.187	2.209
20	1.185	1.220	1.221	1.251	1.245	1.246	1.270	1.269	1.288	1.293
25	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
30	0.8484	0.8250	0.8238	0.8045	0.8080	0.8072	0.7949	0.7921	0.7817	0.7789
40	0.6200	0.5712	0.5684	0.5304	0.5367	0.5348	0.5152	0.5041	0.4874	0.4818
50	0.4616	0.4039	0.4004	0.3577	0.3641	0.3617	0.3445	0.3266	0.3115	0.3053
60	0.3500	0.2919	0.2876	0.2470	0.2520	0.2496	0.2347	0.2174	0.2033	0.1973
70	0.2696	0.2149	0.2104	0.1739	0.1777	0.1756	0.1640	0.1479	0.1357	0.1304
80	0.2106	0.1609	0.1565	0.1246	0.1274	0.1258	0.1171	0.1026	0.09243	0.08805
90	0.1667	0.1224	0.1183	0.09077	0.09284	0.09167	0.08542	0.07251	0.06415	0.06061
100	0.1336	0.09439	0.09067	0.06712	0.06862	0.06781	0.06348	0.05210	0.04529	0.04247
110	0.1085	0.07383	0.07044	0.05035	0.05143	0.05078	0.04819	0.03808	0.03247	0.03024
120	0.08903	0.05849	0.05540	0.03831	0.03906	0.03849	0.03698	0.02824	0.02362	0.02185
130	0.07378	0.04687	0.04407	0.02954	0.03004	0.02956	0.02866	0.02124	0.01744	0.01602
140	0.06169	0.03795	0.03542	0.02305	0.02337	0.02298	0.02243	0.01617	0.01305	0.01190
150	0.05202	0.03103	0.02875	0.01820	0.01837	0.01806	0.01770	0.01246	0.009887	0.008946
160		0.02561	0.02357	0.01452	0.01456	0.01434	0.01384	0.009696	0.007583	0.006813
170		0.02131	0.01949	0.01170	0.01166	0.01150	0.01111	0.007629	0.005877	0.005248
180		0.01788	0.01625	0.009514	0.009430	0.009303	0.009147	0.006064	0.004601	0.004086
190		0.01510	0.01365	0.007802	0.007694	0.007594	0.007704	0.004867	0.003635	0.003214
200		0.01285	0.01155	0.006450	0.006331	0.006250	0.006083	0.003938	0.002897	0.002552
204		0.01207	0.01082	0.005990	0.005864	0.005793	0.005626	0.003626	0.002659	0.002329

GLASS

## KEYSTONE THERMOMETRICS