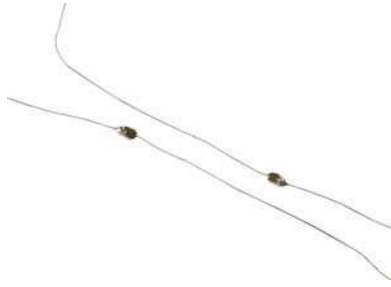


Miniature Axial Glass Thermistor



- Glass hermetic encapsulation with high resistance to humid environments
- Wide operating temperature range
- High stability
- Fast response time
- RoHS Compliant

DESCRIPTION

The NTC Chip hermetically sealed in a miniature glass encapsulation package

FEATURES

- Hermetically sealed glass package
- High stability at elevated temperatures
- Available in $\pm 20\%$ tolerance @ $+25^\circ\text{C}$
- Fast time response
- Pt/Ir lead wires suitable for welding
- Temperature range -40°C to $+250^\circ\text{C}$

APPLICATIONS

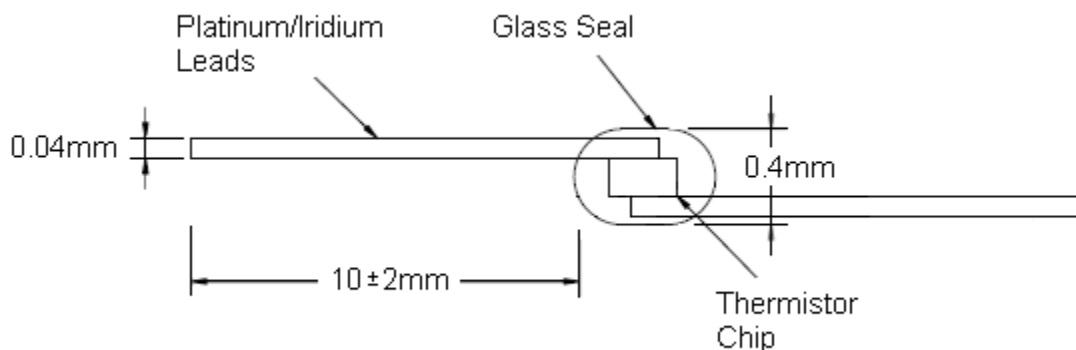
- Air flow detection systems
- Blood analysis
- Liquid level sensing
- Platen Temperature sensing
- Medical Catheter devices
- Fluid flow sensing

PERFORMANCE SPECS

Parameters	Units	Value
Resistance @ $+25^\circ\text{C}$	Ohms	500,000
Resistance tolerance @ $+25^\circ\text{C}$	%	± 20
Beta Value 25/85	K	4261
Dissipation Constant in still air	mW/ $^\circ\text{C}$	0.15
Time response in still air	Second	< 1

Miniature Axial Glass Thermistor

MECHANICAL DETAILS



RESISTANCE V TEMPERATURE TABLE

Temp. °C	R Ohms
----------	--------

-40	20,396,010
-39	19,029,494
-38	17,762,737
-37	16,587,892
-36	15,497,773
-35	14,485,795
-34	13,545,917
-33	12,672,600
-32	11,860,759
-31	11,105,724
-30	10,403,204
-29	9,749,258
-28	9,140,257
-27	8,572,865
-26	8,044,011
-25	7,550,865
-24	7,090,821
-23	6,661,476
-22	6,260,616
-21	5,886,194
-20	5,536,325
-19	5,209,265
-18	4,903,404
-17	4,617,254
-16	4,349,439

Temp. °C	R Ohms
----------	--------

-15	4,098,687
-14	3,863,818
-13	3,643,742
-12	3,437,449
-11	3,244,001
-10	3,062,533
-9	2,892,237
-8	2,732,368
-7	2,582,233
-6	2,441,186
-5	2,308,632
-4	2,184,014
-3	2,066,816
-2	1,956,557
-1	1,852,790
0	1,755,100
1	1,663,099
2	1,576,427
3	1,494,748
4	1,417,749
5	1,345,136
6	1,276,639
7	1,212,003
8	1,150,991
9	1,093,380

Temp. °C	R Ohms
----------	--------

10	1,038,965
11	987,552
12	938,960
13	893,020
14	849,574
15	808,475
16	769,583
17	732,770
18	697,913
19	664,900
20	633,623
21	603,983
22	575,886
23	549,244
24	523,974
25	500,000
26	477,248
27	455,650
28	435,142
29	415,664
30	397,159
31	379,574
32	362,858
33	346,965
34	331,849

Temp. °C	R Ohms
----------	--------

35	317,470
36	303,788
37	290,765
38	278,367
39	266,561
40	255,316
41	244,602
42	234,392
43	224,660
44	215,381
45	206,532
46	198,092
47	190,038
48	182,352
49	175,016
50	168,011
51	161,321
52	154,931
53	148,826
54	142,992
55	137,415
56	132,083
57	126,985
58	122,108
59	117,442

Miniature Axial Glass Thermistor

60	112,977	109	21,063	158	5,541	207	1,873
61	108,704	110	20,434	159	5,408	208	1,836
62	104,614	111	19,827	160	5,278	209	1,800
63	100,697	112	19,241	161	5,152	210	1,765
64	96,946	113	18,674	162	5,029	211	1,730
65	93,352	114	18,127	163	4,910	212	1,696
66	89,910	115	17,598	164	4,794	213	1,663
67	86,611	116	17,087	165	4,682	214	1,631
68	83,448	117	16,593	166	4,572	215	1,600
69	80,417	118	16,115	167	4,466	216	1,569
70	77,510	119	15,653	168	4,362	217	1,539
71	74,722	120	15,207	169	4,261	218	1,510
72	72,048	121	14,775	170	4,163	219	1,481
73	69,482	122	14,357	171	4,068	220	1,453
74	67,020	123	13,953	172	3,975	221	1,426
75	64,657	124	13,562	173	3,884	222	1,399
76	62,388	125	13,184	174	3,796	223	1,373
77	60,209	126	12,818	175	3,711	224	1,347
78	58,117	127	12,463	176	3,627	225	1,322
79	56,108	128	12,120	177	3,546	226	1,298
80	54,177	129	11,788	178	3,467	227	1,274
81	52,322	130	11,466	179	3,390	228	1,250
82	50,539	131	11,155	180	3,315	229	1,227
83	48,826	132	10,853	181	3,242	230	1,205
84	47,178	133	10,561	182	3,171	231	1,183
85	45,594	134	10,278	183	3,102	232	1,162
86	44,070	135	10,004	184	3,035	233	1,141
87	42,604	136	9,738	185	2,969	234	1,120
88	41,194	137	9,480	186	2,905	235	1,100
89	39,837	138	9,230	187	2,842	236	1,081
90	38,531	139	8,988	188	2,782	237	1,061
91	37,273	140	8,753	189	2,722	238	1,043
92	36,063	141	8,526	190	2,664	239	1,024
93	34,897	142	8,305	191	2,608	240	1,006
94	33,775	143	8,091	192	2,553	241	989
95	32,694	144	7,883	193	2,500	242	971
96	31,652	145	7,682	194	2,447	243	954
97	30,648	146	7,486	195	2,396	244	938
98	29,681	147	7,297	196	2,347	245	922
99	28,748	148	7,112	197	2,298	246	906
100	27,849	149	6,934	198	2,251	247	890
101	26,982	150	6,760	199	2,205	248	875
102	26,146	151	6,592	200	2,160	249	860
103	25,340	152	6,428	201	2,116	250	846
104	24,562	153	6,269	202	2,073		
105	23,812	154	6,115	203	2,031		
106	23,088	155	5,965	204	1,990		
107	22,389	156	5,820	205	1,950		
108	21,715	157	5,679	206	1,911		

Miniature Axial Glass Thermistor

ORDERING INFORMATION

Part Number	Description	Ω @25°C	MOQ
GA500KM4261J15	Miniature Axial Glass Thermistor	500,000	1,000*

* For quantities less than Minimum Order Quantity – Contact Distribution

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