

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°C
- Fast time response
- Pt/Ir lead wires suitable for welding
- Temperature range -40°C to +250°C

APPLICATIONS

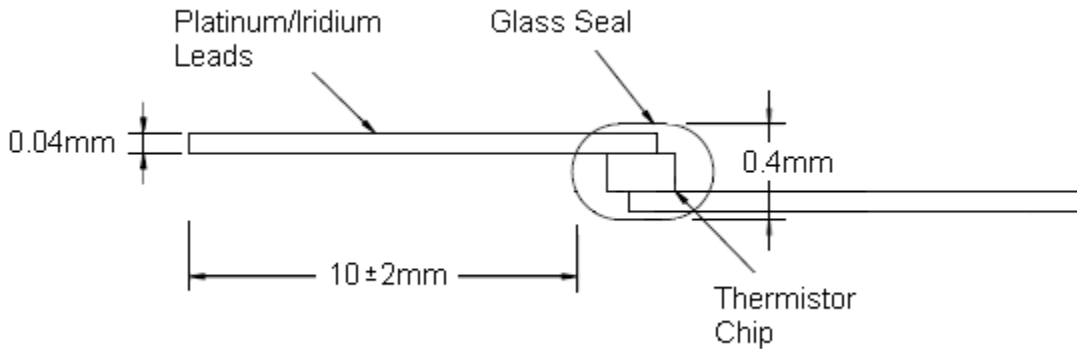
- Air flow detection systems
- Blood analysis
- Liquid level sensing
- Platen Temperature sensing
- Medical Catheter devices
- Fluid flow sensing

PERFORMANCE SPECS

Parameters	Units	Value
Resistance @ +25°C	Ohms	2,000
Resistance tolerance @ +25°C	%	± 20
Beta Value 25/85	K	3187
Dissipation Constant in still air	mW/°C	0.15
Time response in still air	Second	< 1

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MECHANICAL DETAILS



RESISTANCE V TEMPERATURE TABLE

Temp. °C	R Ohms
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-40	32,221.4
-39	30,590.5
-38	29,052.1
-37	27,600.5
-36	26,230.2
-35	24,936.2
-34	23,714.0
-33	22,559.0
-32	21,467.3
-31	20,434.9
-30	19,458.4
-29	18,534.4
-28	17,659.9
-27	16,831.8
-26	16,047.4
-25	15,304.3
-24	14,600.0
-23	13,932.3
-22	13,299.0
-21	12,698.3
-20	12,128.2
-19	11,587.1
-18	11,073.3
-17	10,585.3
-16	10,121.6

Temp. °C	R Ohms
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-15	9,680.9
-14	9,262.0
-13	8,863.6
-12	8,484.7
-11	8,124.2
-10	7,781.0
-9	7,454.4
-8	7,143.3
-7	6,846.9
-6	6,564.6
-5	6,295.5
-4	6,039.0
-3	5,794.4
-2	5,561.0
-1	5,338.4
0	5,126.0
1	4,923.2
2	4,729.6
3	4,544.7
4	4,368.0
5	4,199.2
6	4,037.8
7	3,883.6
8	3,736.1
9	3,595.0

Temp. °C	R Ohms
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10	3,460.1
11	3,330.9
12	3,207.3
13	3,088.9
14	2,975.6
15	2,867.0
16	2,763.0
17	2,663.4
18	2,567.8
19	2,476.2
20	2,388.4
21	2,304.2
22	2,223.4
23	2,145.8
24	2,071.4
25	2,000.0
26	1,931.4
27	1,865.5
28	1,802.3
29	1,741.5
30	1,683.1
31	1,626.9
32	1,572.9
33	1,521.0
34	1,471.1

Temp. °C	R Ohms
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35	1,423.1
36	1,376.9
37	1,332.5
38	1,289.7
39	1,248.5
40	1,208.9
41	1,170.7
42	1,133.9
43	1,098.4
44	1,064.3
45	1,031.4
46	999.7
47	969.1
48	939.6
49	911.1
50	883.7
51	857.2
52	831.7
53	807.0
54	783.2
55	760.3
56	738.1
57	716.7
58	696.0
59	676.0

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60	656.7
61	638.0
62	619.9
63	602.5
64	585.6
65	569.3
66	553.5
67	538.3
68	523.5
69	509.2
70	495.4
71	482.0
72	469.1
73	456.5
74	444.4
75	432.6
76	421.2
77	410.2
78	399.5
79	389.1
80	379.1
81	369.3
82	359.9
83	350.7
84	341.8
85	333.2
86	324.9
87	316.8
88	308.9
89	301.3
90	293.9
91	286.7
92	279.7
93	272.9
94	266.3
95	259.9
96	253.7
97	247.7
98	241.8
99	236.2
100	230.6
101	225.2
102	220.0
103	214.9
104	210.0
105	205.2
106	200.5
107	196.0
108	191.6

109	187.3
110	183.1
111	179.0
112	175.0
113	171.2
114	167.4
115	163.8
116	160.2
117	156.7
118	153.4
119	150.1
120	146.9
121	143.8
122	140.7
123	137.8
124	134.9
125	132.1
126	129.3
127	126.7
128	124.0
129	121.5
130	119.0
131	116.6
132	114.3
133	112.0
134	109.7
135	107.5
136	105.4
137	103.3
138	101.3
139	99.3
140	97.4
141	95.5
142	93.6
143	91.8
144	90.1
145	88.3
146	86.7
147	85.0
148	83.4
149	81.9
150	80.3
151	78.8
152	77.4
153	76.0
154	74.6
155	73.2
156	71.9
157	70.6

158	69.3
159	68.1
160	66.8
161	65.7
162	64.5
163	63.4
164	62.2
165	61.2
166	60.1
167	59.0
168	58.0
169	57.0
170	56.0
171	55.1
172	54.2
173	53.2
174	52.3
175	51.5
176	50.6
177	49.8
178	48.9
179	48.1
180	47.3
181	46.6
182	45.8
183	45.1
184	44.3
185	43.6
186	42.9
187	42.2
188	41.6
189	40.9
190	40.3
191	39.6
192	39.0
193	38.4
194	37.8
195	37.2
196	36.6
197	36.1
198	35.5
199	35.0
200	34.5
201	33.9
202	33.4
203	32.9
204	32.4
205	31.9
206	31.5

207	31.0
208	30.6
209	30.1
210	29.7
211	29.2
212	28.8
213	28.4
214	28.0
215	27.6
216	27.2
217	26.8
218	26.4
219	26.1
220	25.7
221	25.3
222	25.0
223	24.6
224	24.3
225	24.0
226	23.6
227	23.3
228	23.0
229	22.7
230	22.4
231	22.1
232	21.8
233	21.5
234	21.2
235	20.9
236	20.6
237	20.4
238	20.1
239	19.8
240	19.6
241	19.3
242	19.1
243	18.8
244	18.6
245	18.4
246	18.1
247	17.9
248	17.7
249	17.4
250	17.2

Miniature Axial Glass Thermistor

ORDERING INFORMATION

Part Number	Description	Ω @25°C	MOQ
GA2KM3187J15	Miniature Axial Glass Thermistor	2,000	1,000*

* For quantities less than Minimum Order Quantity – Contact Distribution

NORTH AMERICA

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