



GAGR10KM3499J15 MINIATURE GLASS RADIAL NTC THERMISTOR

Glass Hermetic Encapsulation with
High Resistance to Humid Environments

Wide Operating Temperature Range

RoHS Compliant

The GAGR10KM3499J15 is a NTC chip hermetically sealed in a miniature glass encapsulation package.

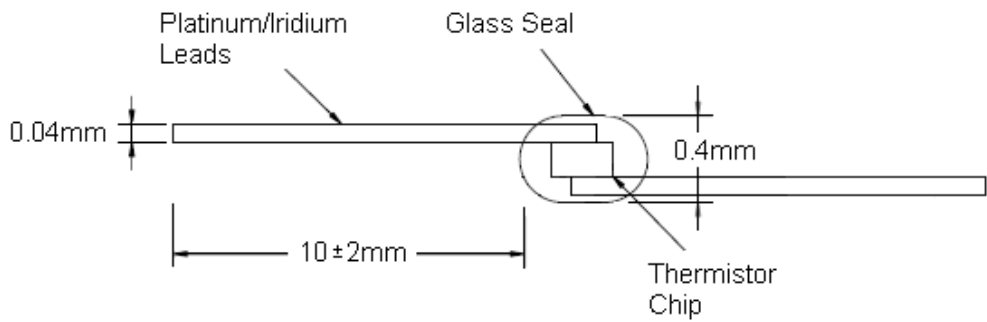
FEATURES

- 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

MECHANICAL DETAILS



PERFORMANCE SPECS

Parameters	Units	Value
Nominal Resistance at +25°C	Ohms	10,000
Resistance Tolerance at +25°C	°C	±20
Beta Value 25/85	K	3499
Dissipation Constant in Still Air	mW/°C	0.15
Time Response in Still Air	Seconds	< 1

RESISTANCE V TEMPERATURE TABLE

Temp. °C	R Ohms	Temp. °C	R Ohms	Temp. °C	R Ohms	Temp. °C	R Ohms
-40	218,691	4	23,686	48	4,357	92	1,156
-39	206,347	5	22,676	49	4,212	93	1,125
-38	194,779	6	21,715	50	4,073	94	1,096
-37	183,931	7	20,799	51	3,940	95	1,067
-36	173,757	8	19,928	52	3,811	96	1,039
-35	164,209	9	19,098	53	3,687	97	1,012
-34	155,245	10	18,307	54	3,568	98	986
-33	146,828	11	17,554	55	3,454	99	961
-32	138,919	12	16,836	56	3,343	100	936
-31	131,485	13	16,151	57	3,237	101	913
-30	124,495	14	15,498	58	3,135	102	889
-29	117,920	15	14,875	59	3,036	103	867
-28	111,734	16	14,281	60	2,941	104	845
-27	105,909	17	13,713	61	2,850	105	824
-26	100,425	18	13,172	62	2,761	106	804
-25	95,258	19	12,655	63	2,676	107	784
-24	90,389	20	12,161	64	2,594	108	765
-23	85,798	21	11,689	65	2,515	109	746
-22	81,468	22	11,238	66	2,439	110	728
-21	77,384	23	10,806	67	2,366	111	710
-20	73,529	24	10,394	68	2,295	112	693
-19	69,889	25	10,000	69	2,226	113	676
-18	66,452	26	9,623	70	2,160	114	660
-17	63,204	27	9,262	71	2,096	115	645
-16	60,135	28	8,917	72	2,035	116	629
-15	57,233	29	8,586	73	1,975	117	614
-14	54,488	30	8,270	74	1,918	118	600
-13	51,892	31	7,967	75	1,862	119	586
-12	49,435	32	7,676	76	1,809	120	572
-11	47,108	33	7,398	77	1,757	121	559
-10	44,906	34	7,131	78	1,707	122	546
-9	42,819	35	6,876	79	1,658	123	534
-8	40,841	36	6,631	80	1,612	124	522
-7	38,967	37	6,396	81	1,566	125	510
-6	37,189	38	6,170	82	1,523	126	498
-5	35,503	39	5,954	83	1,480	127	487
-4	33,904	40	5,746	84	1,439	128	476
-3	32,385	41	5,547	85	1,400	129	466
-2	30,944	42	5,356	86	1,361	130	455
-1	29,575	43	5,172	87	1,324	131	445
0	28,275	44	4,996	88	1,288	132	435
1	27,039	45	4,827	89	1,254	133	426
2	25,865	46	4,664	90	1,220	134	417
3	24,748	47	4,507	91	1,188	135	408

RESISTANCE V TEMPERATURE TABLE

Temp. °C	R Ohms
136	399
137	390
138	382
139	374
140	366
141	358
142	350
143	343
144	336
145	329
146	322
147	316
148	309
149	303
150	297
151	291
152	285
153	279
154	274
155	268
156	263
157	258
158	253
159	248
160	243
161	238
162	234
163	229
164	225
165	220
166	216
167	212
168	208
169	204
170	201
171	197
172	193
173	190
174	186
175	183
176	179
177	176
178	173
179	170

Temp. °C	R Ohms
180	167
181	164
182	161
183	158
184	155
185	153
186	150
187	147
188	145
189	142
190	140
191	138
192	135
193	133
194	131
195	128
196	126
197	124
198	122
199	120
200	118
201	116
202	114
203	112
204	111
205	109
206	107
207	105
208	104
209	102
210	100
211	99
212	97
213	96
214	94
215	93
216	91
217	90
218	89
219	87
220	86
221	85
222	83
223	82

Temp. °C	R Ohms
224	81
225	80
226	78
227	77
228	76
229	75
230	74
231	73
232	72
233	71
234	70
235	69
236	68
237	67
238	66
239	65
240	64
241	63
242	62
243	61
244	60
245	60
246	59
247	58
248	57
249	56
250	56

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ORDERING INFORMATION

Part Number	Description	Ω @25°C	MOQ*
GAGR10KM3499J15	Miniature Glass Radial NTC Thermistor	10,000	1,000

* For quantities less than MOQ (Minimum Order Quantity) contact Distribution

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