

## R-T Characteristics & Tolerance

**TYPE** Radial Glass Type Thermistor  
**Part No.(THERMISTOR)** TG310J34GBNR  
**Customer**  
**Usage/Remark** STANARD  
**Temperature Range** -40 ~ 250℃

ASK	Radial Glass Type Thermistor	REV. DATE	2016-2-15
	SPEC :	REV. NO.	0
	TG310J34GBNR	REMARK	5℃ STEP

R-T TABLE

(unit: kΩ)

Temp.(℃)	R(min)	R(cent)	R(max)	ΔR(min)	ΔR(max)
-40	189.9	212.5	237.1	10.63%	11.62%
-35	143.9	160.1	177.7	10.13%	10.99%
-30	110.0	121.7	134.4	9.63%	10.38%
-25	84.86	93.41	102.6	9.15%	9.80%
-20	66.02	72.30	78.97	8.69%	9.24%
-15	51.77	56.41	61.32	8.23%	8.70%
-10	40.91	44.36	47.99	7.79%	8.18%
-5	32.56	35.15	37.84	7.36%	7.67%
0	26.10	28.05	30.06	6.94%	7.19%
5	21.06	22.53	24.05	6.53%	6.72%
10	17.11	18.22	19.37	6.13%	6.27%
15	13.98	14.83	15.70	5.75%	5.83%
20	11.49	12.14	12.80	5.37%	5.41%
25	9.500	10.00	10.50	5.00%	5.00%
30	7.837	8.281	8.728	5.36%	5.40%
35	6.501	6.894	7.293	5.70%	5.78%
40	5.421	5.769	6.125	6.04%	6.16%
45	4.543	4.852	5.168	6.36%	6.53%
50	3.826	4.099	4.382	6.68%	6.89%
55	3.237	3.480	3.732	6.98%	7.24%
60	2.751	2.967	3.192	7.28%	7.58%
65	2.348	2.540	2.741	7.57%	7.92%
70	2.013	2.184	2.364	7.85%	8.24%
75	1.732	1.885	2.046	8.12%	8.56%
80	1.496	1.633	1.778	8.38%	8.88%
85	1.298	1.420	1.551	8.64%	9.18%
90	1.129	1.239	1.357	8.89%	9.48%
95	0.986	1.085	1.191	9.13%	9.77%
100	0.864	0.954	1.049	9.36%	10.05%
105	0.760	0.841	0.927	9.59%	10.33%
110	0.670	0.743	0.822	9.81%	10.60%
115	0.593	0.659	0.731	10.03%	10.87%
120	0.526	0.586	0.651	10.24%	11.13%
125	0.468	0.523	0.582	10.45%	11.38%
130	0.418	0.467	0.522	10.64%	11.63%
135	0.374	0.419	0.469	10.84%	11.88%
140	0.335	0.377	0.422	11.03%	12.12%
145	0.301	0.340	0.381	11.21%	12.35%
150	0.272	0.307	0.345	11.39%	12.58%
155	0.246	0.278	0.313	11.57%	12.80%
160	0.222	0.252	0.285	11.74%	13.02%
165	0.202	0.229	0.260	11.91%	13.24%
170	0.184	0.209	0.237	12.07%	13.45%
175	0.167	0.191	0.217	12.23%	13.65%
180	0.153	0.175	0.199	12.39%	13.85%
185	0.140	0.160	0.183	12.54%	14.05%
190	0.128	0.147	0.168	12.69%	14.25%
195	0.118	0.135	0.155	12.83%	14.44%
200	0.109	0.125	0.143	12.98%	14.62%
205	0.100	0.115	0.132	13.11%	14.81%
210	0.092	0.107	0.123	13.25%	14.98%
215	0.086	0.099	0.114	13.38%	15.16%
220	0.079	0.092	0.106	13.51%	15.33%
225	0.074	0.085	0.098	13.64%	15.50%
230	0.068	0.079	0.092	13.76%	15.67%
235	0.064	0.074	0.086	13.88%	15.83%
240	0.059	0.069	0.080	14.00%	15.99%
245	0.055	0.065	0.075	14.12%	16.14%
250	0.052	0.060	0.070	14.23%	16.30%