

## ERTJ0EG103GM R-T Characteristics (for reference)

$$R_{25} = 10 \text{ kohm } \pm 2\%$$

$$B_{25/85} = 3435 \text{ K } \pm 1\%$$

Temp. T(deg.C)	Resistance (kohm)			Temp. T(deg.C)	Resistance (kohm)			Temp. T(deg.C)	Resistance (kohm)		
	R min.	R typ.	R max.		R min.	R typ.	R max.		R min.	R typ.	R max.
-40	195.1	205.2	215.7	25	9.800	10.00	10.20	90	1.210	1.261	1.313
-39	184.4	193.8	203.6	26	9.436	9.632	9.828	91	1.176	1.226	1.277
-38	174.3	183.1	192.3	27	9.087	9.279	9.472	92	1.144	1.192	1.242
-37	164.8	173.1	181.6	28	8.753	8.942	9.131	93	1.112	1.159	1.208
-36	155.9	163.6	171.6	29	8.434	8.619	8.804	94	1.081	1.127	1.175
-35	<b>147.6</b>	<b>154.8</b>	<b>162.3</b>	30	<b>8.127</b>	<b>8.309</b>	<b>8.491</b>	95	<b>1.051</b>	<b>1.097</b>	<b>1.144</b>
-34	139.7	146.5	153.5	31	7.834	8.012	8.190	96	1.022	1.067	1.113
-33	132.4	138.7	145.2	32	7.553	7.727	7.902	97	0.9943	1.038	1.083
-32	125.4	131.3	137.4	33	7.284	7.454	7.626	98	0.9672	1.010	1.054
-31	118.9	124.4	130.1	34	7.025	7.192	7.360	99	0.9409	0.9826	1.026
-30	<b>112.7</b>	<b>117.9</b>	<b>123.3</b>	35	<b>6.777</b>	<b>6.941</b>	<b>7.106</b>	100	<b>0.9154</b>	<b>0.9563</b>	<b>0.9986</b>
-29	107.0	111.8	116.8	36	6.540	6.700	6.861	101	0.8907	0.9307	0.9721
-28	101.5	106.0	110.8	37	6.311	6.468	6.627	102	0.8667	0.9059	0.9465
-27	96.36	100.6	105.0	38	6.092	6.246	6.401	103	0.8434	0.8818	0.9215
-26	91.51	95.51	99.65	39	5.882	6.033	6.185	104	0.8208	0.8584	0.8973
-25	<b>86.94</b>	<b>90.69</b>	<b>94.57</b>	40	<b>5.680</b>	<b>5.828</b>	<b>5.976</b>	105	<b>0.7989</b>	<b>0.8357</b>	<b>0.8738</b>
-24	82.63	86.15	89.79	41	5.486	5.631	5.776	106	0.7776	0.8136	0.8510
-23	78.55	81.86	85.27	42	5.300	5.441	5.584	107	0.7570	0.7922	0.8288
-22	74.70	77.81	81.01	43	5.121	5.259	5.399	108	0.7369	0.7715	0.8073
-21	71.07	73.99	76.99	44	4.949	5.084	5.221	109	0.7174	0.7513	0.7864
-20	<b>67.63</b>	<b>70.37</b>	<b>73.20</b>	45	<b>4.783</b>	<b>4.916</b>	<b>5.050</b>	110	<b>0.6986</b>	<b>0.7317</b>	<b>0.7661</b>
-19	64.39	66.96	69.61	46	4.624	4.754	4.885	111	0.6802	0.7127	0.7464
-18	61.32	63.74	66.23	47	4.471	4.598	4.727	112	0.6625	0.6943	0.7273
-17	58.41	60.69	63.03	48	4.324	4.448	4.574	113	0.6452	0.6764	0.7087
-16	55.66	57.80	60.00	49	4.182	4.304	4.427	114	0.6285	0.6590	0.6907
-15	<b>53.06</b>	<b>55.07</b>	<b>57.14</b>	50	<b>4.046</b>	<b>4.165</b>	<b>4.285</b>	115	<b>0.6122</b>	<b>0.6421</b>	<b>0.6732</b>
-14	50.59	52.49	54.43	51	3.914	4.031	4.149	116	0.5965	0.6258	0.6562
-13	48.25	50.04	51.87	52	3.788	3.902	4.018	117	0.5812	0.6099	0.6397
-12	46.04	47.72	49.44	53	3.666	3.778	3.891	118	0.5664	0.5945	0.6237
-11	43.94	45.52	47.14	54	3.549	3.658	3.769	119	0.5520	0.5795	0.6082
-10	<b>41.95</b>	<b>43.44</b>	<b>44.96</b>	55	<b>3.436</b>	<b>3.543</b>	<b>3.652</b>	120	<b>0.5380</b>	<b>0.5650</b>	<b>0.5931</b>
-9	40.06	41.46	42.90	56	3.328	3.432	3.538	121	0.5245	0.5509	0.5785
-8	38.27	39.59	40.94	57	3.223	3.325	3.429	122	0.5113	0.5372	0.5643
-7	36.57	37.81	39.09	58	3.122	3.222	3.324	123	0.4986	0.5240	0.5505
-6	34.95	36.13	37.33	59	3.025	3.123	3.222	124	0.4862	0.5111	0.5371
-5	<b>33.42</b>	<b>34.53</b>	<b>35.66</b>	60	<b>2.931</b>	<b>3.027</b>	<b>3.124</b>	125	<b>0.4742</b>	<b>0.4986</b>	<b>0.5241</b>
-4	31.96	33.00	34.07	61	2.840	2.934	3.030	126	0.4626	0.4865	0.5115
-3	30.57	31.56	32.56	62	2.753	2.845	2.939	127	0.4513	0.4747	0.4992
-2	29.26	30.19	31.13	63	2.669	2.759	2.850	128	0.4403	0.4633	0.4873
-1	28.00	28.88	29.77	64	2.588	2.676	2.765	129	0.4296	0.4521	0.4757
0	<b>26.81</b>	<b>27.64</b>	<b>28.48</b>	65	<b>2.509</b>	<b>2.595</b>	<b>2.683</b>	130	<b>0.4192</b>	<b>0.4413</b>	<b>0.4644</b>
1	25.68	26.46	27.25	66	2.434	2.518	2.604	131	0.4091	0.4308	0.4535
2	24.60	25.33	26.08	67	2.361	2.443	2.527	132	0.3993	0.4206	0.4428
3	23.57	24.26	24.97	68	2.290	2.371	2.453	133	0.3898	0.4106	0.4324
4	22.59	23.24	23.91	69	2.222	2.301	2.382	134	0.3805	0.4010	0.4224
5	<b>21.65</b>	<b>22.27</b>	<b>22.90</b>	70	<b>2.156</b>	<b>2.233</b>	<b>2.312</b>	135	<b>0.3715</b>	<b>0.3916</b>	<b>0.4126</b>
6	20.76	21.35	21.94	71	2.093	2.168	2.246	136	0.3627	0.3824	0.4030
7	19.92	20.47	21.03	72	2.031	2.105	2.181	137	0.3542	0.3735	0.3937
8	19.11	19.63	20.16	73	1.972	2.045	2.119	138	0.3459	0.3649	0.3847
9	18.34	18.83	19.33	74	1.915	1.986	2.059	139	0.3379	0.3565	0.3759
10	<b>17.60</b>	<b>18.06</b>	<b>18.54</b>	75	<b>1.860</b>	<b>1.929</b>	<b>2.001</b>	140	<b>0.3300</b>	<b>0.3483</b>	<b>0.3674</b>
11	16.90	17.34	17.78	76	1.806	1.874	1.944	141	0.3224	0.3403	0.3590
12	16.23	16.64	17.06	77	1.755	1.821	1.890	142	0.3150	0.3325	0.3509
13	15.59	15.98	16.38	78	1.705	1.770	1.837	143	0.3078	0.3250	0.3430
14	14.98	15.35	15.72	79	1.656	1.720	1.786	144	0.3007	0.3176	0.3354
15	<b>14.39</b>	<b>14.74</b>	<b>15.10</b>	80	<b>1.610</b>	<b>1.672</b>	<b>1.736</b>	145	<b>0.2939</b>	<b>0.3105</b>	<b>0.3279</b>
16	13.83	14.17	14.50	81	1.564	1.625	1.688	146	0.2872	0.3035	0.3206
17	13.30	13.62	13.93	82	1.520	1.580	1.641	147	0.2807	0.2967	0.3135
18	12.79	13.09	13.39	83	1.477	1.536	1.596	148	0.2744	0.2901	0.3066
19	12.31	12.59	12.87	84	1.436	1.493	1.552	149	0.2683	0.2837	0.2999
20	<b>11.84</b>	<b>12.11</b>	<b>12.37</b>	85	<b>1.395</b>	<b>1.451</b>	<b>1.509</b>	150	<b>0.2623</b>	<b>0.2774</b>	<b>0.2933</b>
21	11.40	11.65	11.90	86	1.356	1.411	1.468				
22	10.97	11.21	11.44	87	1.318	1.372	1.427				
23	10.56	10.79	11.01	88	1.281	1.334	1.388				
24	10.17	10.38	10.60	89	1.245	1.297	1.350				
25	<b>9.800</b>	<b>10.00</b>	<b>10.20</b>	90	<b>1.210</b>	<b>1.261</b>	<b>1.313</b>				