

# ERTJ0ES104J R-T Characteristics

(for reference)

$$R_{25} = 100 \text{ kohm } \pm 5\%$$

$$B_{25/50} = 4330 \text{ K } \pm 2\%$$

Temp.			Resistance (kohm)			Temp.			Resistance (kohm)			Temp.			Resistance (kohm)		
T(deg.C)	R min.	R typ.	R max.	T(deg.C)	R min.	R typ.	R max.	T(deg.C)	R min.	R typ.	R max.	T(deg.C)	R min.	R typ.	R max.		
-40	4020	4567	5177	25	95.00	100.0	105.0	90	6.418	7.122	7.884						
-39	3747	4251	4812	26	90.46	95.32	100.2	91	6.198	6.883	7.625						
-38	3495	3959	4475	27	86.17	90.87	95.60	92	5.987	6.653	7.375						
-37	3261	3689	4164	28	82.10	86.66	91.26	93	5.784	6.432	7.135						
-36	3044	3439	3876	29	78.24	82.67	87.14	94	5.589	6.219	6.903						
-35	2843	3208	3610	30	74.58	78.88	83.22	95	5.401	6.014	6.680						
-34	2657	2993	3364	31	71.12	75.29	79.50	96	5.221	5.817	6.466						
-33	2484	2795	3136	32	67.83	71.88	75.97	97	5.047	5.628	6.259						
-32	2323	2610	2925	33	64.71	68.63	72.61	98	4.880	5.445	6.060						
-31	2174	2439	2730	34	61.76	65.56	69.42	99	4.719	5.269	5.868						
-30	2035	2280	2549	35	58.95	62.63	66.38	100	4.564	5.099	5.683						
-29	1906	2133	2381	36	56.28	59.86	63.50	101	4.415	4.936	5.504						
-28	1786	1996	2225	37	53.75	57.21	60.75	102	4.272	4.779	5.332						
-27	1674	1868	2080	38	51.34	54.70	58.14	103	4.134	4.627	5.166						
-26	1570	1750	1945	39	49.06	52.31	55.65	104	4.001	4.481	5.006						
-25	1473	1639	1820	40	46.89	50.04	53.28	105	3.872	4.340	4.852						
-24	1382	1536	1704	41	44.82	47.88	51.02	106	3.749	4.204	4.703						
-23	1298	1441	1596	42	42.86	45.82	48.87	107	3.630	4.073	4.560						
-22	1219	1352	1495	43	40.99	43.86	46.82	108	3.515	3.947	4.421						
-21	1145	1269	1401	44	39.21	42.00	44.87	109	3.404	3.825	4.288						
-20	1077	1191	1314	45	37.52	40.22	43.01	110	3.298	3.708	4.158						
-19	1013	1119	1233	46	35.91	38.53	41.23	111	3.195	3.594	4.034						
-18	952.8	1051	1157	47	34.38	36.92	39.54	112	3.096	3.485	3.913						
-17	896.8	988.2	1086	48	32.92	35.38	37.93	113	3.000	3.379	3.797						
-16	844.4	929.3	1020	49	31.53	33.91	36.39	114	2.908	3.277	3.685						
-15	795.3	874.3	958.7	50	30.20	32.51	34.91	115	2.819	3.179	3.576						
-14	749.4	822.8	901.1	51	28.94	31.18	33.51	116	2.733	3.084	3.471						
-13	706.4	774.6	847.4	52	27.73	29.91	32.17	117	2.650	2.992	3.370						
-12	666.1	729.6	797.1	53	26.58	28.69	30.89	118	2.569	2.903	3.272						
-11	628.3	687.4	750.1	54	25.49	27.53	29.66	119	2.492	2.817	3.177						
-10	592.9	647.9	706.2	55	24.44	26.42	28.49	120	2.417	2.734	3.085						
-9	559.7	610.9	665.1	56	23.44	25.36	27.37	121	2.345	2.654	2.997						
-8	528.5	576.2	626.6	57	22.49	24.35	26.30	122	2.275	2.577	2.911						
-7	499.3	543.6	590.5	58	21.58	23.39	25.28	123	2.208	2.502	2.828						
-6	471.8	513.1	556.7	59	20.71	22.46	24.30	124	2.143	2.429	2.748						
-5	446.0	484.5	525.0	60	19.88	21.58	23.37	125	2.079	2.359	2.670						
-4	421.7	457.6	495.3	61	19.09	20.74	22.47										
-3	398.9	432.4	467.5	62	18.33	19.93	21.61										
-2	377.4	408.7	441.3	63	17.61	19.16	20.80										
-1	357.3	386.4	416.8	64	16.92	18.42	20.01										
0	338.3	365.4	393.8	65	16.26	17.72	19.26										
1	320.4	345.7	372.1	66	15.63	17.04	18.54										
2	303.5	327.2	351.8	67	15.03	16.40	17.85										
3	287.6	309.7	332.6	68	14.45	15.78	17.19										
4	272.7	293.3	314.6	69	13.90	15.19	16.56										
5	258.6	277.8	297.7	70	13.37	14.63	15.96										
6	245.3	263.2	281.8	71	12.87	14.08	15.38										
7	232.7	249.5	266.8	72	12.38	13.56	14.82										
8	220.8	236.5	252.6	73	11.92	13.07	14.29										
9	209.7	224.3	239.3	74	11.48	12.59	13.78										
10	199.1	212.8	226.8	75	11.05	12.13	13.29										
11	189.1	201.9	215.0	76	10.64	11.70	12.82										
12	179.7	191.7	203.9	77	10.25	11.28	12.37										
13	170.8	182.0	193.4	78	9.880	10.87	11.93										
14	162.4	172.8	183.5	79	9.522	10.49	11.52										
15	154.5	164.2	174.1	80	9.178	10.11	11.12										
16	146.9	156.1	165.3	81	8.849	9.758	10.73										
17	139.8	148.3	157.0	82	8.532	9.416	10.37										
18	133.1	141.1	149.1	83	8.229	9.088	10.01										
19	126.7	134.2	141.7	84	7.938	8.772	9.670										
20	120.7	127.7	134.7	85	7.658	8.469	9.343										
21	115.0	121.5	128.1	86	7.390	8.178	9.028										
22	109.6	115.7	121.8	87	7.132	7.898	8.725										
23	104.5	110.2	115.9	88	6.884	7.629	8.434										
24	99.60	104.9	110.3	89	6.646	7.371	8.154										
25	95.00	100.0	105.0	90	6.418	7.122	7.884										