

## ERTJ0EV104J R-T Characteristics

(for reference)

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

$$B_{25/50} = 4700 \text{ K } \pm 2\%$$

Temp. T(deg.C)	Resistance (kohm)			Temp. T(deg.C)	Resistance (kohm)			Temp. T(deg.C)	Resistance (kohm)		
	R min.	R cen.	R max.		R min.	R cen.	R max.		R min.	R cen.	R max.
-40	5231	5976	6810	25	95.00	100.0	105.0	90	5.078	5.662	6.296
-39	4857	5540	6303	26	90.10	94.94	99.79	91	4.890	5.456	6.071
-38	4511	5138	5837	27	85.47	90.16	94.86	92	4.709	5.258	5.856
-37	4192	4767	5408	28	81.11	85.64	90.20	93	4.536	5.068	5.649
-36	3897	4425	5013	29	76.99	81.38	85.80	94	4.370	4.886	5.450
-35	<b>3625</b>	<b>4110</b>	<b>4649</b>	30	<b>73.10</b>	<b>77.34</b>	<b>81.63</b>	95	<b>4.211</b>	<b>4.712</b>	<b>5.259</b>
-34	3374	3819	4314	31	69.43	73.53	77.68	96	4.058	4.544	5.076
-33	3141	3551	4004	32	65.95	69.92	73.95	97	3.912	4.383	4.900
-32	2926	3303	3719	33	62.67	66.51	70.41	98	3.771	4.229	4.731
-31	2726	3073	3456	34	59.57	63.28	67.06	99	3.637	4.081	4.568
-30	<b>2542</b>	<b>2861</b>	<b>3213</b>	35	<b>56.64</b>	<b>60.23</b>	<b>63.88</b>	100	<b>3.508</b>	<b>3.939</b>	<b>4.412</b>
-29	2371	2665	2988	36	53.86	57.33	60.87	101	3.384	3.802	4.262
-28	2212	2483	2780	37	51.24	54.59	58.02	102	3.265	3.671	4.118
-27	2065	2315	2588	38	48.76	52.00	55.32	103	3.151	3.545	3.980
-26	1929	2159	2411	39	46.40	49.54	52.75	104	3.041	3.425	3.847
-25	<b>1802</b>	<b>2014</b>	<b>2246</b>	40	<b>44.18</b>	<b>47.21</b>	<b>50.32</b>	105	<b>2.936</b>	<b>3.308</b>	<b>3.719</b>
-24	1684	1880	2093	41	42.07	44.99	48.00	106	2.835	3.197	3.596
-23	1575	1755	1952	42	40.07	42.90	45.81	107	2.738	3.089	3.477
-22	1473	1640	1821	43	38.17	40.91	43.73	108	2.644	2.986	3.363
-21	1379	1533	1700	44	36.38	39.02	41.75	109	2.555	2.887	3.254
-20	<b>1291</b>	<b>1433</b>	<b>1587</b>	45	<b>34.68</b>	<b>37.23</b>	<b>39.87</b>	110	<b>2.468</b>	<b>2.791</b>	<b>3.148</b>
-19	1209	1341	1483	46	33.06	35.53	38.08	111	2.385	2.699	3.046
-18	1133	1255	1386	47	31.53	33.91	36.39	112	2.305	2.610	2.948
-17	1062	1175	1296	48	30.07	32.38	34.77	113	2.229	2.525	2.854
-16	996.1	1100	1212	49	28.69	30.92	33.24	114	2.155	2.443	2.763
-15	<b>934.4</b>	<b>1031</b>	<b>1134</b>	50	<b>27.38</b>	<b>29.54</b>	<b>31.78</b>	115	<b>2.083</b>	<b>2.364</b>	<b>2.675</b>
-14	876.9	965.9	1061	51	26.14	28.22	30.39	116	2.015	2.287	2.590
-13	823.3	905.7	993.8	52	24.95	26.97	29.07	117	1.949	2.214	2.509
-12	773.2	849.5	930.9	53	23.83	25.77	27.81	118	1.885	2.143	2.430
-11	726.4	797.1	872.4	54	22.76	24.64	26.61	119	1.824	2.075	2.354
-10	<b>682.7</b>	<b>748.2</b>	<b>817.8</b>	55	<b>21.74</b>	<b>23.56</b>	<b>25.46</b>	120	<b>1.765</b>	<b>2.009</b>	<b>2.281</b>
-9	641.9	702.5	767.0	56	20.77	22.53	24.37	121	1.708	1.945	2.210
-8	603.7	659.9	719.5	57	19.85	21.55	23.33	122	1.653	1.884	2.142
-7	568.0	620.1	675.3	58	18.98	20.62	22.35	123	1.600	1.825	2.076
-6	534.6	582.9	634.0	59	18.15	19.73	21.40	124	1.549	1.768	2.012
-5	<b>503.3</b>	<b>548.1</b>	<b>595.4</b>	60	<b>17.36</b>	<b>18.89</b>	<b>20.50</b>	125	<b>1.500</b>	<b>1.712</b>	<b>1.950</b>
-4	474.0	515.6	559.4	61	16.60	18.08	19.65				
-3	446.5	485.1	525.7	62	15.88	17.32	18.83				
-2	420.8	456.6	494.2	63	15.20	16.59	18.05				
-1	396.7	429.9	464.8	64	14.55	15.89	17.31				
0	<b>374.1</b>	<b>405.0</b>	<b>437.3</b>	65	<b>13.94</b>	<b>15.23</b>	<b>16.61</b>				
1	352.9	381.5	411.5	66	13.35	14.60	15.93				
2	333.0	359.6	387.3	67	12.79	14.00	15.29				
3	314.3	339.0	364.7	68	12.25	13.43	14.67				
4	296.7	319.7	343.5	69	11.74	12.88	14.09				
5	<b>280.2</b>	<b>301.5</b>	<b>323.7</b>	70	<b>11.26</b>	<b>12.36</b>	<b>13.53</b>				
6	264.7	284.5	305.1	71	10.80	11.86	13.00				
7	250.1	268.5	287.6	72	10.36	11.39	12.49				
8	236.4	253.5	271.2	73	9.939	10.94	12.00				
9	223.5	239.4	255.9	74	9.539	10.50	11.54				
10	<b>211.4</b>	<b>226.2</b>	<b>241.4</b>	75	<b>9.156</b>	<b>10.09</b>	<b>11.09</b>				
11	200.0	213.8	227.9	76	8.792	9.696	10.67				
12	189.3	202.1	215.2	77	8.443	9.319	10.26				
13	179.2	191.1	203.2	78	8.110	8.959	9.872				
14	169.7	180.7	192.0	79	7.792	8.614	9.499				
15	<b>160.7</b>	<b>171.0</b>	<b>181.5</b>	80	<b>7.487</b>	<b>8.284</b>	<b>9.143</b>				
16	152.3	161.8	171.6	81	7.196	7.968	8.801				
17	144.3	153.2	162.3	82	6.918	7.666	8.474				
18	136.8	145.1	153.5	83	6.652	7.377	8.160				
19	129.8	137.5	145.3	84	6.397	7.099	7.859				
20	<b>123.1</b>	<b>130.3</b>	<b>137.5</b>	85	<b>6.153</b>	<b>6.834</b>	<b>7.571</b>				
21	116.8	123.5	130.2	86	5.919	6.579	7.294				
22	110.9	117.1	123.3	87	5.695	6.335	7.029				
23	105.3	111.0	116.8	88	5.481	6.101	6.775				
24	100.0	105.4	110.7	89	5.275	5.877	6.530				
25	<b>95.00</b>	<b>100.0</b>	<b>105.0</b>	90	<b>5.078</b>	<b>5.662</b>	<b>6.296</b>				