

## ERTJ0EV683J R-T Characteristics

(for reference)

$$R_{25} = 68 \text{ kohm} \quad \pm 5\%$$

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

Temp.			Resistance (kohm)			Temp.			Resistance (kohm)			Temp.			Resistance (kohm)		
T(deg.C)	R min.	R cen.	R max.	T(deg.C)	R min.	R cen.	R max.	T(deg.C)	R min.	R cen.	R max.	T(deg.C)	R min.	R cen.	R max.		
-40	<b>3557</b>	<b>4064</b>	<b>4631</b>	25	<b>64.60</b>	<b>68.00</b>	<b>71.40</b>	90	<b>3.453</b>	<b>3.850</b>	<b>4.281</b>						
-39	3303	3767	4286	26	61.27	64.56	67.86	91	3.325	3.710	4.129						
-38	3067	3494	3969	27	58.12	61.31	64.51	92	3.202	3.575	3.982						
-37	2851	3242	3677	28	55.15	58.24	61.34	93	3.084	3.446	3.841						
-36	2650	3009	3409	29	52.35	55.34	58.34	94	2.972	3.323	3.706						
-35	<b>2465</b>	<b>2795</b>	<b>3161</b>	30	<b>49.71</b>	<b>52.59</b>	<b>55.51</b>	95	<b>2.863</b>	<b>3.204</b>	<b>3.576</b>						
-34	2294	2597	2933	31	47.21	50.00	52.82	96	2.760	3.090	3.451						
-33	2136	2415	2723	32	44.85	47.55	50.28	97	2.660	2.981	3.332						
-32	1989	2246	2529	33	42.62	45.23	47.88	98	2.565	2.876	3.217						
-31	1854	2090	2350	34	40.51	43.03	45.60	99	2.473	2.775	3.106						
-30	<b>1728</b>	<b>1946</b>	<b>2185</b>	35	<b>38.51</b>	<b>40.95</b>	<b>43.44</b>	100	<b>2.385</b>	<b>2.678</b>	<b>3.000</b>						
-29	1612	1812	2032	36	36.63	38.99	41.39	101	2.301	2.586	2.898						
-28	1504	1689	1891	37	34.84	37.12	39.45	102	2.220	2.497	2.800						
-27	1404	1574	1760	38	33.15	35.36	37.61	103	2.142	2.411	2.706						
-26	1312	1468	1639	39	31.55	33.69	35.87	104	2.068	2.329	2.616						
-25	<b>1225</b>	<b>1370</b>	<b>1527</b>	40	<b>30.04</b>	<b>32.10</b>	<b>34.21</b>	105	<b>1.996</b>	<b>2.250</b>	<b>2.529</b>						
-24	1145	1278	1423	41	28.61	30.60	32.64	106	1.928	2.174	2.445						
-23	1071	1194	1327	42	27.25	29.17	31.15	107	1.862	2.101	2.365						
-22	1002	1115	1238	43	25.96	27.82	29.74	108	1.798	2.030	2.287						
-21	937.7	1042	1156	44	24.74	26.53	28.39	109	1.737	1.963	2.212						
-20	<b>878.0</b>	<b>974.8</b>	<b>1079</b>	45	<b>23.58</b>	<b>25.32</b>	<b>27.11</b>	110	<b>1.678</b>	<b>1.898</b>	<b>2.141</b>						
-19	822.4	911.8	1008	46	22.48	24.16	25.90	111	1.622	1.835	2.071						
-18	770.6	853.2	942.4	47	21.44	23.06	24.74	112	1.568	1.775	2.005						
-17	722.3	798.7	881.0	48	20.45	22.02	23.65	113	1.515	1.717	1.941						
-16	677.3	748.0	824.0	49	19.51	21.03	22.60	114	1.465	1.661	1.879						
-15	<b>635.4</b>	<b>700.8</b>	<b>771.0</b>	50	<b>18.62</b>	<b>20.08</b>	<b>21.61</b>	115	<b>1.417</b>	<b>1.607</b>	<b>1.819</b>						
-14	596.3	656.8	721.7	51	17.77	19.19	20.66	116	1.370	1.555	1.761						
-13	559.8	615.9	675.8	52	16.97	18.34	19.76	117	1.325	1.505	1.706						
-12	525.8	577.6	633.0	53	16.20	17.53	18.91	118	1.282	1.457	1.652						
-11	494.0	542.0	593.2	54	15.48	16.75	18.09	119	1.240	1.411	1.601						
-10	<b>464.3</b>	<b>508.8</b>	<b>556.1</b>	55	<b>14.78</b>	<b>16.02</b>	<b>17.31</b>	120	<b>1.200</b>	<b>1.366</b>	<b>1.551</b>						
-9	436.5	477.7	521.5	56	14.13	15.32	16.57	121	1.161	1.323	1.503						
-8	410.5	448.7	489.3	57	13.50	14.65	15.87	122	1.124	1.281	1.456						
-7	386.2	421.7	459.2	58	12.91	14.02	15.19	123	1.088	1.241	1.411						
-6	363.5	396.4	431.1	59	12.34	13.42	14.55	124	1.053	1.202	1.368						
-5	<b>342.2</b>	<b>372.7</b>	<b>404.9</b>	60	<b>11.80</b>	<b>12.84</b>	<b>13.94</b>	125	<b>1.020</b>	<b>1.164</b>	<b>1.326</b>						
-4	322.3	350.6	380.4	61	11.29	12.30	13.36										
-3	303.6	329.9	357.5	62	10.80	11.78	12.81										
-2	286.2	310.5	336.1	63	10.34	11.28	12.28										
-1	269.8	292.4	316.1	64	9.896	10.81	11.77										
0	<b>254.4</b>	<b>275.4</b>	<b>297.3</b>	65	<b>9.476</b>	<b>10.36</b>	<b>11.29</b>										
1	240.0	259.4	279.8	66	9.076	9.928	10.83										
2	226.4	244.5	263.4	67	8.695	9.519	10.40										
3	213.7	230.5	248.0	68	8.332	9.130	9.979										
4	201.8	217.4	233.6	69	7.986	8.758	9.581										
5	<b>190.5</b>	<b>205.0</b>	<b>220.1</b>	70	<b>7.657</b>	<b>8.404</b>	<b>9.201</b>										
6	180.0	193.5	207.4	71	7.343	8.066	8.838										
7	170.1	182.6	195.6	72	7.044	7.744	8.492										
8	160.8	172.4	184.4	73	6.759	7.436	8.161										
9	152.0	162.8	174.0	74	6.486	7.142	7.845										
10	<b>143.8</b>	<b>153.8</b>	<b>164.2</b>	75	<b>6.226</b>	<b>6.862</b>	<b>7.543</b>										
11	136.0	145.4	155.0	76	5.978	6.594	7.254										
12	128.7	137.4	146.3	77	5.741	6.337	6.977										
13	121.8	129.9	138.2	78	5.515	6.092	6.713										
14	115.4	122.9	130.6	79	5.298	5.858	6.459										
15	<b>109.3</b>	<b>116.3</b>	<b>123.4</b>	80	<b>5.091</b>	<b>5.633</b>	<b>6.217</b>										
16	103.5	110.0	116.7	81	4.894	5.418	5.985										
17	98.14	104.2	110.3	82	4.704	5.213	5.762										
18	93.04	98.67	104.4	83	4.523	5.016	5.549										
19	88.23	93.47	98.77	84	4.350	4.827	5.344										
20	<b>83.70</b>	<b>88.58</b>	<b>93.50</b>	85	<b>4.184</b>	<b>4.647</b>	<b>5.148</b>										
21	79.43	83.96	88.53	86	4.025	4.474	4.960										
22	75.39	79.61	83.86	87	3.873	4.308	4.780										
23	71.59	75.51	79.46	88	3.727	4.149	4.607										
24	67.99	71.65	75.31	89	3.587	3.996	4.441										
25	<b>64.60</b>	<b>68.00</b>	<b>71.40</b>	90	<b>3.453</b>	<b>3.850</b>	<b>4.281</b>										