

## ERTJ0ET473J R-T Characteristics

(for reference)

$$R_{25} = 47 \text{ kohm } \pm 5\%$$

$$B_{25/50} = 4500 \text{ K } \pm 2\%$$

Temp. T(deg.C)	Resistance (kohm)			Temp. T(deg.C)	Resistance (kohm)			Temp. T(deg.C)	Resistance (kohm)		
	R min.	R typ.	R max.		R min.	R typ.	R max.		R min.	R typ.	R max.
-40	1946	2212	2509	25	44.65	47.00	49.35	90	2.681	2.982	3.309
-39	1817	2063	2336	26	42.45	44.72	47.01	91	2.585	2.877	3.195
-38	1697	1924	2176	27	40.36	42.57	44.79	92	2.493	2.776	3.085
-37	1586	1796	2028	28	38.39	40.53	42.68	93	2.404	2.680	2.980
-36	1483	1676	1891	29	36.52	38.60	40.69	94	2.319	2.587	2.878
-35	<b>1387</b>	<b>1566</b>	<b>1763</b>	30	<b>34.76</b>	<b>36.77</b>	<b>38.80</b>	95	<b>2.237</b>	<b>2.497</b>	<b>2.781</b>
-34	1297	1463	1645	31	33.09	35.03	37.00	96	2.159	2.412	2.687
-33	1214	1367	1535	32	31.50	33.39	35.30	97	2.084	2.330	2.597
-32	1137	1278	1434	33	30.00	31.83	33.68	98	2.012	2.250	2.511
-31	1065	1196	1339	34	28.58	30.35	32.14	99	1.943	2.175	2.428
-30	<b>997.4</b>	<b>1119</b>	<b>1251</b>	35	<b>27.23</b>	<b>28.94</b>	<b>30.69</b>	100	<b>1.876</b>	<b>2.102</b>	<b>2.348</b>
-29	934.9	1047	1170	36	25.95	27.61	29.30	101	1.813	2.032	2.272
-28	876.5	980.5	1094	37	24.74	26.34	27.98	102	1.751	1.964	2.198
-27	822.1	918.4	1023	38	23.59	25.14	26.73	103	1.693	1.900	2.127
-26	771.4	860.6	957.7	39	22.50	24.00	25.54	104	1.636	1.838	2.059
-25	<b>724.0</b>	<b>806.7</b>	<b>896.6</b>	40	<b>21.46</b>	<b>22.92</b>	<b>24.41</b>	105	<b>1.582</b>	<b>1.778</b>	<b>1.994</b>
-24	679.8	756.5	839.7	41	20.48	21.89	23.34	106	1.530	1.721	1.931
-23	638.5	709.6	786.6	42	19.55	20.91	22.32	107	1.480	1.666	1.870
-22	599.9	665.8	737.2	43	18.66	19.98	21.34	108	1.432	1.613	1.812
-21	563.8	625.0	691.1	44	17.82	19.10	20.42	109	1.386	1.562	1.755
-20	<b>530.1</b>	<b>586.9</b>	<b>648.1</b>	45	<b>17.02</b>	<b>18.26</b>	<b>19.53</b>	110	<b>1.341</b>	<b>1.512</b>	<b>1.701</b>
-19	498.5	551.2	608.0	46	16.26	17.45	18.69	111	1.299	1.465	1.649
-18	469.0	517.9	570.6	47	15.53	16.69	17.89	112	1.257	1.419	1.598
-17	441.3	486.8	535.6	48	14.85	15.97	17.13	113	1.217	1.375	1.550
-16	415.5	457.7	503.0	49	14.19	15.28	16.41	114	1.179	1.333	1.502
-15	<b>391.2</b>	<b>430.5</b>	<b>472.5</b>	50	<b>13.57</b>	<b>14.62</b>	<b>15.72</b>	115	<b>1.142</b>	<b>1.291</b>	<b>1.457</b>
-14	368.5	405.0	444.0	51	12.98	14.00	15.06	116	1.106	1.252	1.413
-13	347.2	381.1	417.3	52	12.41	13.40	14.43	117	1.071	1.213	1.371
-12	327.3	358.8	392.4	53	11.88	12.83	13.83	118	1.038	1.176	1.329
-11	308.6	337.9	369.1	54	11.36	12.29	13.25	119	1.006	1.140	1.290
-10	<b>291.0</b>	<b>318.3</b>	<b>347.2</b>	55	<b>10.88</b>	<b>11.77</b>	<b>12.71</b>	120	<b>0.9743</b>	<b>1.105</b>	<b>1.251</b>
-9	274.6	299.9	326.8	56	10.41	11.28	12.18	121	0.9442	1.072	1.214
-8	259.1	282.7	307.7	57	9.969	10.81	11.69	122	0.9149	1.039	1.178
-7	244.6	266.5	289.8	58	9.547	10.36	11.21	123	0.8867	1.008	1.143
-6	230.9	251.4	273.0	59	9.145	9.931	10.76	124	0.8593	0.9774	1.109
-5	<b>218.1</b>	<b>237.2</b>	<b>257.2</b>	60	<b>8.762</b>	<b>9.522</b>	<b>10.32</b>	125	<b>0.8328</b>	<b>0.9479</b>	<b>1.076</b>
-4	206.1	223.8	242.5	61	8.396	9.133	9.909				
-3	194.8	211.3	228.6	62	8.048	8.761	9.513				
-2	184.2	199.5	215.7	63	7.716	8.406	9.136				
-1	174.1	188.5	203.5	64	7.399	8.068	8.775				
0	<b>164.7</b>	<b>178.1</b>	<b>192.0</b>	65	<b>7.097</b>	<b>7.744</b>	<b>8.430</b>				
1	155.9	168.3	181.3	66	6.808	7.436	8.101				
2	147.5	159.1	171.2	67	6.533	7.141	7.786				
3	139.6	150.4	161.7	68	6.271	6.860	7.485				
4	132.2	142.3	152.8	69	6.020	6.591	7.198				
5	<b>125.2</b>	<b>134.6</b>	<b>144.3</b>	70	<b>5.781</b>	<b>6.334</b>	<b>6.923</b>				
6	118.6	127.4	136.4	71	5.553	6.089	6.660				
7	112.4	120.6	129.0	72	5.335	5.854	6.408				
8	106.5	114.2	122.0	73	5.126	5.630	6.168				
9	101.0	108.1	115.4	74	4.927	5.415	5.937				
10	<b>95.78</b>	<b>102.4</b>	<b>109.2</b>	75	<b>4.736</b>	<b>5.210</b>	<b>5.716</b>				
11	90.86	97.04	103.4	76	4.554	5.013	5.505				
12	86.21	91.97	97.87	77	4.380	4.825	5.302				
13	81.82	87.19	92.69	78	4.213	4.645	5.108				
14	77.67	82.69	87.81	79	4.053	4.472	4.922				
15	<b>73.75</b>	<b>78.44</b>	<b>83.20</b>	80	<b>3.900</b>	<b>4.306</b>	<b>4.743</b>				
16	70.05	74.42	78.87	81	3.754	4.148	4.572				
17	66.56	70.64	74.77	82	3.613	3.996	4.408				
18	63.26	67.06	70.92	83	3.479	3.850	4.250				
19	60.13	63.68	67.28	84	3.350	3.710	4.099				
20	<b>57.18</b>	<b>60.50</b>	<b>63.84</b>	85	<b>3.227</b>	<b>3.576</b>	<b>3.954</b>				
21	54.39	57.48	60.60	86	3.108	3.447	3.814				
22	51.75	54.64	57.54	87	2.995	3.324	3.680				
23	49.25	51.95	54.65	88	2.886	3.205	3.551				
24	46.89	49.40	51.93	89	2.781	3.091	3.428				
25	<b>44.65</b>	<b>47.00</b>	<b>49.35</b>	90	<b>2.681</b>	<b>2.982</b>	<b>3.309</b>				