

## ERTJ0ER104F R-T Characteristics

(for reference)

$$R_{25} = 100 \text{ kohm } \pm 1\%$$

$$B_{25/50} = 4250 \text{ K } \pm 1\%$$

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	4044	4240	4446	25	99.00	100.0	101.0	90	7.193	7.457	7.730
-39	3771	3952	4141	26	94.40	95.40	96.40	91	6.954	7.211	7.477
-38	3519	3685	3858	27	90.04	91.04	92.03	92	6.723	6.974	7.234
-37	3285	3437	3597	28	85.91	86.90	87.89	93	6.502	6.747	7.000
-36	3068	3208	3355	29	81.98	82.96	83.95	94	6.288	6.527	6.775
-35	<b>2867</b>	<b>2996</b>	<b>3131</b>	30	<b>78.26</b>	<b>79.23</b>	<b>80.21</b>	95	<b>6.083</b>	<b>6.316</b>	<b>6.558</b>
-34	2680	2799	2923	31	74.72	75.69	76.66	96	5.885	6.113	6.349
-33	2507	2616	2730	32	71.36	72.32	73.28	97	5.694	5.917	6.147
-32	2346	2447	2551	33	68.17	69.11	70.06	98	5.511	5.728	5.953
-31	2196	2289	2385	34	65.14	66.07	67.01	99	5.334	5.546	5.766
-30	<b>2057</b>	<b>2142</b>	<b>2231</b>	35	<b>62.26</b>	<b>63.18</b>	<b>64.10</b>	100	<b>5.164</b>	<b>5.371</b>	<b>5.586</b>
-29	1928	2006	2088	36	59.52	60.42	61.34	101	5.000	5.202	5.411
-28	1807	1880	1955	37	56.92	57.81	58.71	102	4.842	5.039	5.244
-27	1695	1762	1831	38	54.44	55.31	56.20	103	4.689	4.882	5.082
-26	1590	1652	1716	39	52.08	52.94	53.81	104	4.543	4.731	4.926
-25	<b>1493</b>	<b>1550</b>	<b>1609</b>	40	<b>49.84</b>	<b>50.68</b>	<b>51.54</b>	105	<b>4.401</b>	<b>4.585</b>	<b>4.776</b>
-24	1400	1453	1507	41	47.70	48.53	49.38	106	4.265	4.444	4.630
-23	1316	1365	1415	42	45.67	46.49	47.31	107	4.133	4.308	4.490
-22	1237	1282	1328	43	43.73	44.53	45.35	108	4.006	4.177	4.355
-21	1164	1205	1248	44	41.89	42.68	43.47	109	3.884	4.051	4.225
-20	<b>1095</b>	<b>1133</b>	<b>1172</b>	45	<b>40.13</b>	<b>40.90</b>	<b>41.68</b>	110	<b>3.765</b>	<b>3.929</b>	<b>4.098</b>
-19	1030	1066	1102	46	38.46	39.21	39.98	111	3.651	3.811	3.977
-18	969.9	1003	1036	47	36.86	37.60	38.35	112	3.541	3.697	3.859
-17	913.5	943.6	974.7	48	35.34	36.06	36.80	113	3.435	3.587	3.745
-16	860.7	888.5	917.3	49	33.89	34.59	35.31	114	3.332	3.481	3.635
-15	<b>811.2</b>	<b>837.0</b>	<b>863.5</b>	50	<b>32.50</b>	<b>33.19</b>	<b>33.90</b>	115	<b>3.233</b>	<b>3.378</b>	<b>3.529</b>
-14	764.9	788.8	813.3	51	31.18	31.86	32.55	116	3.137	3.279	3.427
-13	721.5	743.6	766.2	52	29.92	30.58	31.26	117	3.044	3.183	3.327
-12	680.9	701.3	722.2	53	28.71	29.36	30.02	118	2.954	3.090	3.231
-11	642.7	661.6	680.9	54	27.56	28.20	28.84	119	2.868	3.000	3.138
-10	<b>606.9</b>	<b>624.4</b>	<b>642.3</b>	55	<b>26.47</b>	<b>27.09</b>	<b>27.72</b>	120	<b>2.784</b>	<b>2.913</b>	<b>3.048</b>
-9	573.3	589.5	606.0	56	25.42	26.02	26.64	121	2.703	2.829	2.961
-8	541.8	556.7	572.0	57	24.41	25.01	25.61	122	2.624	2.748	2.877
-7	512.1	526.0	540.1	58	23.46	24.03	24.62	123	2.548	2.669	2.795
-6	484.3	497.1	510.2	59	22.54	23.10	23.68	124	2.475	2.593	2.716
-5	<b>458.1</b>	<b>469.9</b>	<b>482.0</b>	60	<b>21.66</b>	<b>22.21</b>	<b>22.78</b>	125	<b>2.404</b>	<b>2.519</b>	<b>2.639</b>
-4	433.4	444.4	455.6	61	20.83	21.36	21.91				
-3	410.3	420.4	430.7	62	20.03	20.55	21.09				
-2	388.4	397.8	407.4	63	19.26	19.77	20.29				
-1	367.9	376.6	385.4	64	18.52	19.02	19.54				
0	<b>348.5</b>	<b>356.5</b>	<b>364.7</b>	65	<b>17.82</b>	<b>18.31</b>	<b>18.81</b>				
1	330.3	337.7	345.2	66	17.15	17.63	18.11				
2	313.1	319.9	326.9	67	16.51	16.97	17.45				
3	296.8	303.2	309.6	68	15.89	16.34	16.81				
4	281.5	287.4	293.4	69	15.30	15.74	16.19				
5	<b>267.1</b>	<b>272.5</b>	<b>278.0</b>	70	<b>14.73</b>	<b>15.16</b>	<b>15.61</b>				
6	253.5	258.5	263.6	71	14.19	14.61	15.04				
7	240.6	245.2	249.9	72	13.67	14.08	14.50				
8	228.5	232.7	237.1	73	13.17	13.57	13.98				
9	217.0	220.9	224.9	74	12.69	13.08	13.48				
10	<b>206.2</b>	<b>209.8</b>	<b>213.5</b>	75	<b>12.23</b>	<b>12.61</b>	<b>13.00</b>				
11	195.9	199.3	202.7	76	11.79	12.16	12.54				
12	186.3	189.4	192.5	77	11.37	11.73	12.10				
13	177.1	180.0	182.8	78	10.96	11.32	11.68				
14	168.5	171.1	173.7	79	10.57	10.92	11.27				
15	<b>160.3</b>	<b>162.7</b>	<b>165.1</b>	80	<b>10.20</b>	<b>10.54</b>	<b>10.88</b>				
16	152.6	154.8	157.0	81	9.840	10.17	10.51				
17	145.2	147.3	149.3	82	9.496	9.817	10.15				
18	138.3	140.2	142.0	83	9.165	9.479	9.802				
19	131.7	133.4	135.2	84	8.849	9.154	9.469				
20	<b>125.5</b>	<b>127.1</b>	<b>128.7</b>	85	<b>8.544</b>	<b>8.843</b>	<b>9.150</b>				
21	119.6	121.1	122.5	86	8.252	8.543	8.843				
22	114.1	115.4	116.7	87	7.971	8.255	8.549				
23	108.8	110.0	111.2	88	7.702	7.979	8.265				
24	103.8	104.9	105.9	89	7.443	7.713	7.992				
25	<b>99.00</b>	<b>100.0</b>	<b>101.0</b>	90	<b>7.193</b>	<b>7.457</b>	<b>7.730</b>				