

## ERTJ0ER104FM R-T Characteristics (for reference)

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

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

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.
-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	126	2.335	2.447	2.565
-3	410.3	420.4	430.7	62	20.03	20.55	21.09	127	2.268	2.378	2.494
-2	388.4	397.8	407.4	63	19.26	19.77	20.29	128	2.204	2.311	2.424
-1	367.9	376.6	385.4	64	18.52	19.02	19.54	129	2.141	2.246	2.357
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>	130	<b>2.081</b>	<b>2.184</b>	<b>2.291</b>
1	330.3	337.7	345.2	66	17.15	17.63	18.11	131	2.022	2.123	2.228
2	313.1	319.9	326.9	67	16.51	16.97	17.45	132	1.965	2.064	2.167
3	296.8	303.2	309.6	68	15.89	16.34	16.81	133	1.911	2.007	2.108
4	281.5	287.4	293.4	69	15.30	15.74	16.19	134	1.857	1.951	2.050
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>	135	<b>1.806</b>	<b>1.898</b>	<b>1.994</b>
6	253.5	258.5	263.6	71	14.19	14.61	15.04	136	1.756	1.846	1.940
7	240.6	245.2	249.9	72	13.67	14.08	14.50	137	1.708	1.796	1.888
8	228.5	232.7	237.1	73	13.17	13.57	13.98	138	1.661	1.747	1.837
9	217.0	220.9	224.9	74	12.69	13.08	13.48	139	1.615	1.700	1.788
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>	140	<b>1.571</b>	<b>1.654</b>	<b>1.740</b>
11	195.9	199.3	202.7	76	11.79	12.16	12.54	141	1.529	1.609	1.694
12	186.3	189.4	192.5	77	11.37	11.73	12.10	142	1.488	1.566	1.649
13	177.1	180.0	182.8	78	10.96	11.32	11.68	143	1.447	1.525	1.606
14	168.5	171.1	173.7	79	10.57	10.92	11.27	144	1.409	1.484	1.563
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>	145	<b>1.371</b>	<b>1.445</b>	<b>1.522</b>
16	152.6	154.8	157.0	81	9.840	10.17	10.51	146	1.334	1.407	1.483
17	145.2	147.3	149.3	82	9.496	9.817	10.15	147	1.299	1.370	1.444
18	138.3	140.2	142.0	83	9.165	9.479	9.802	148	1.265	1.334	1.406
19	131.7	133.4	135.2	84	8.849	9.154	9.469	149	1.231	1.299	1.370
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>	150	<b>1.199</b>	<b>1.265</b>	<b>1.335</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>				