

## ERTJ0ER153J R-T Characteristics

(for reference)

$$R_{25} = 15 \text{ kohm} \quad \pm 5\%$$

$$B_{25/50} = 4250 \text{ K} \quad \pm 2\%$$

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	569.6	646.5	731.9	25	14.25	15.00	15.75	90	1.010	1.120	1.239
-39	531.6	602.5	681.1	26	13.58	14.31	15.04	91	0.9759	1.083	1.198
-38	496.4	561.8	634.2	27	12.95	13.65	14.36	92	0.9426	1.047	1.159
-37	463.7	524.1	590.8	28	12.35	13.03	13.72	93	0.9107	1.012	1.121
-36	433.4	489.1	550.7	29	11.78	12.44	13.11	94	0.8800	0.9783	1.085
-35	<b>405.3</b>	<b>456.7</b>	<b>513.5</b>	30	<b>11.23</b>	<b>11.88</b>	<b>12.53</b>	95	<b>0.8504</b>	<b>0.9461</b>	<b>1.050</b>
-34	379.1	426.7	479.0	31	10.72	11.35	11.98	96	0.8221	0.9151	1.016
-33	354.8	398.8	447.1	32	10.23	10.84	11.46	97	0.7948	0.8854	0.9838
-32	332.2	372.9	417.5	33	9.773	10.36	10.96	98	0.7687	0.8568	0.9526
-31	311.2	348.8	390.1	34	9.334	9.907	10.49	99	0.7435	0.8293	0.9227
-30	<b>291.6</b>	<b>326.5</b>	<b>364.6</b>	35	<b>8.917</b>	<b>9.473</b>	<b>10.04</b>	100	<b>0.7194</b>	<b>0.8029</b>	<b>0.8939</b>
-29	273.4	305.7	340.9	36	8.521	9.060	9.610	101	0.6962	0.7775	0.8662
-28	256.4	286.3	318.9	37	8.145	8.668	9.202	102	0.6739	0.7531	0.8395
-27	240.6	268.3	298.4	38	7.787	8.294	8.813	103	0.6525	0.7296	0.8139
-26	225.8	251.5	279.4	39	7.447	7.939	8.443	104	0.6319	0.7070	0.7892
-25	<b>212.1</b>	<b>235.9</b>	<b>261.7</b>	40	<b>7.123</b>	<b>7.600</b>	<b>8.090</b>	105	<b>0.6120</b>	<b>0.6853</b>	<b>0.7653</b>
-24	199.3	221.4	245.4	41	6.815	7.278	7.753	106	0.5929	0.6643	0.7424
-23	187.3	207.8	230.0	42	6.522	6.971	7.433	107	0.5745	0.6441	0.7202
-22	176.1	195.1	215.7	43	6.243	6.679	7.127	108	0.5568	0.6246	0.6989
-21	165.6	183.3	202.3	44	5.977	6.400	6.835	109	0.5397	0.6058	0.6783
-20	<b>155.8</b>	<b>172.2</b>	<b>189.9</b>	45	<b>5.724</b>	<b>6.134</b>	<b>6.557</b>	110	<b>0.5233</b>	<b>0.5877</b>	<b>0.6584</b>
-19	146.7	161.9	178.3	46	5.483	5.881	6.292	111	0.5074	0.5702	0.6392
-18	138.1	152.3	167.5	47	5.254	5.639	6.038	112	0.4921	0.5533	0.6206
-17	130.1	143.3	157.4	48	5.035	5.409	5.796	113	0.4773	0.5370	0.6027
-16	122.6	134.9	148.0	49	4.826	5.189	5.565	114	0.4630	0.5213	0.5854
-15	<b>115.6</b>	<b>127.0</b>	<b>139.2</b>	50	<b>4.627</b>	<b>4.979</b>	<b>5.345</b>	115	<b>0.4493</b>	<b>0.5061</b>	<b>0.5687</b>
-14	109.0	119.6	130.9	51	4.437	4.779	5.134	116	0.4360	0.4914	0.5525
-13	102.8	112.7	123.2	52	4.256	4.588	4.932	117	0.4231	0.4772	0.5368
-12	97.05	106.2	116.0	53	4.083	4.405	4.740	118	0.4107	0.4635	0.5217
-11	91.62	100.2	109.3	54	3.918	4.230	4.556	119	0.3987	0.4502	0.5070
-10	<b>86.53</b>	<b>94.50</b>	<b>102.9</b>	55	<b>3.761</b>	<b>4.063</b>	<b>4.379</b>	120	<b>0.3871</b>	<b>0.4373</b>	<b>0.4929</b>
-9	81.74	89.17	97.02	56	3.610	3.904	4.211	121	0.3759	0.4249	0.4791
-8	77.25	84.17	91.48	57	3.467	3.752	4.050	122	0.3650	0.4129	0.4658
-7	73.03	79.48	86.29	58	3.329	3.606	3.896	123	0.3545	0.4012	0.4529
-6	69.06	75.08	81.41	59	3.198	3.467	3.748	124	0.3444	0.3900	0.4405
-5	<b>65.34</b>	<b>70.95</b>	<b>76.84</b>	60	<b>3.073</b>	<b>3.333</b>	<b>3.607</b>	125	<b>0.3345</b>	<b>0.3790</b>	<b>0.4284</b>
-4	61.83	67.06	72.56	61	2.953	3.206	3.472				
-3	58.53	63.41	68.53	62	2.838	3.084	3.342				
-2	55.43	59.98	64.75	63	2.729	2.967	3.218				
-1	52.50	56.76	61.20	64	2.624	2.855	3.099				
0	<b>49.75</b>	<b>53.72</b>	<b>57.87</b>	65	<b>2.524</b>	<b>2.748</b>	<b>2.985</b>				
1	47.16	50.87	54.73	66	2.428	2.646	2.876				
2	44.71	48.18	51.78	67	2.336	2.548	2.771				
3	42.41	45.64	49.01	68	2.248	2.453	2.671				
4	40.23	43.26	46.39	69	2.164	2.363	2.575				
5	<b>38.18</b>	<b>41.01</b>	<b>43.93</b>	70	<b>2.083</b>	<b>2.277</b>	<b>2.483</b>				
6	36.24	38.89	41.61	71	2.006	2.194	2.394				
7	34.42	36.88	39.43	72	1.932	2.115	2.309				
8	32.69	35.00	37.37	73	1.861	2.039	2.228				
9	31.06	33.22	35.44	74	1.793	1.966	2.150				
10	<b>29.52</b>	<b>31.53</b>	<b>33.61</b>	75	<b>1.728</b>	<b>1.896</b>	<b>2.075</b>				
11	28.06	29.95	31.88	76	1.666	1.829	2.003				
12	26.68	28.45	30.26	77	1.606	1.764	1.933				
13	25.38	27.03	28.72	78	1.548	1.702	1.867				
14	24.15	25.70	27.27	79	1.493	1.643	1.803				
15	<b>22.99</b>	<b>24.43</b>	<b>25.91</b>	80	<b>1.440</b>	<b>1.586</b>	<b>1.741</b>				
16	21.88	23.24	24.61	81	1.389	1.531	1.682				
17	20.84	22.11	23.39	82	1.340	1.478	1.625				
18	19.85	21.04	22.24	83	1.293	1.427	1.571				
19	18.92	20.03	21.15	84	1.248	1.378	1.518				
20	<b>18.03</b>	<b>19.07</b>	<b>20.12</b>	85	<b>1.205</b>	<b>1.331</b>	<b>1.467</b>				
21	17.19	18.17	19.15	86	1.163	1.286	1.418				
22	16.40	17.31	18.23	87	1.122	1.242	1.371				
23	15.64	16.50	17.36	88	1.084	1.200	1.325				
24	14.93	15.73	16.53	89	1.046	1.159	1.281				
25	<b>14.25</b>	<b>15.00</b>	<b>15.75</b>	90	<b>1.010</b>	<b>1.120</b>	<b>1.239</b>				