

## ERTJ1VA330J R-T Characteristics

(for reference)

$$R_{25} = 33 \text{ ohm} \quad \pm 5\%$$

$$B_{25/50} = 2750 \text{ K} \quad \pm 3\%$$

Temp.			Resistance (ohm)			Temp.			Resistance (ohm)			Temp.			Resistance (ohm)		
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	378.7	430.6	488.4	25	31.35	33.00	34.65	90	5.894	6.513	7.180						
-39	360.8	409.6	463.9	26	30.37	32.00	33.63	91	5.776	6.388	7.046						
-38	343.9	389.8	440.8	27	29.42	31.03	32.64	92	5.663	6.265	6.915						
-37	327.9	371.1	419.0	28	28.51	30.10	31.69	93	5.552	6.146	6.787						
-36	312.7	353.5	398.5	29	27.63	29.20	30.77	94	5.444	6.031	6.663						
-35	<b>298.4</b>	<b>336.8</b>	<b>379.2</b>	30	<b>26.79</b>	<b>28.33</b>	<b>29.88</b>	95	<b>5.339</b>	<b>5.918</b>	<b>6.543</b>						
-34	284.9	321.0	360.9	31	25.98	27.49	29.03	96	5.238	5.808	6.425						
-33	272.0	306.1	343.6	32	25.19	26.69	28.20	97	5.139	5.702	6.310						
-32	259.8	292.0	327.3	33	24.44	25.91	27.41	98	5.042	5.598	6.199						
-31	248.3	278.7	311.9	34	23.71	25.16	26.64	99	4.948	5.497	6.090						
-30	<b>237.4</b>	<b>266.0</b>	<b>297.4</b>	35	<b>23.01</b>	<b>24.44</b>	<b>25.90</b>	100	<b>4.857</b>	<b>5.398</b>	<b>5.985</b>						
-29	227.0	254.1	283.6	36	22.34	23.74	25.18	101	4.769	5.303	5.882						
-28	217.2	242.7	270.6	37	21.68	23.07	24.49	102	4.682	5.209	5.781						
-27	207.8	232.0	258.2	38	21.06	22.42	23.82	103	4.598	5.119	5.684						
-26	199.0	221.8	246.5	39	20.45	21.80	23.17	104	4.516	5.030	5.588						
-25	<b>190.5</b>	<b>212.1</b>	<b>235.5</b>	40	<b>19.87</b>	<b>21.19</b>	<b>22.55</b>	105	<b>4.437</b>	<b>4.944</b>	<b>5.495</b>						
-24	182.5	202.9	224.9	41	19.30	20.61	21.95	106	4.359	4.860	5.405						
-23	174.9	194.2	215.0	42	18.76	20.04	21.36	107	4.283	4.778	5.316						
-22	167.7	185.9	205.6	43	18.23	19.50	20.80	108	4.210	4.698	5.230						
-21	160.8	178.0	196.6	44	17.73	18.97	20.25	109	4.138	4.620	5.146						
-20	<b>154.2</b>	<b>170.6</b>	<b>188.1</b>	45	<b>17.24</b>	<b>18.46</b>	<b>19.73</b>	110	<b>4.068</b>	<b>4.544</b>	<b>5.064</b>						
-19	148.0	163.4	180.1	46	16.77	17.97	19.22	111	3.999	4.470	4.983						
-18	142.1	156.7	172.4	47	16.31	17.50	18.73	112	3.933	4.398	4.905						
-17	136.4	150.2	165.1	48	15.87	17.04	18.25	113	3.868	4.327	4.829						
-16	131.0	144.1	158.2	49	15.44	16.60	17.79	114	3.804	4.258	4.754						
-15	<b>125.9</b>	<b>138.3</b>	<b>151.6</b>	50	<b>15.03</b>	<b>16.17</b>	<b>17.34</b>	115	<b>3.742</b>	<b>4.191</b>	<b>4.682</b>						
-14	120.9	132.7	145.3	51	14.64	15.75	16.91	116	3.682	4.125	4.611						
-13	116.3	127.4	139.4	52	14.25	15.35	16.49	117	3.623	4.062	4.541						
-12	111.8	122.4	133.7	53	13.88	14.96	16.09	118	3.566	3.999	4.473						
-11	107.5	117.6	128.3	54	13.52	14.58	15.69	119	3.510	3.938	4.407						
-10	<b>103.5</b>	<b>113.0</b>	<b>123.1</b>	55	<b>13.17</b>	<b>14.22</b>	<b>15.31</b>	120	<b>3.455</b>	<b>3.879</b>	<b>4.343</b>						
-9	99.58	108.6	118.2	56	12.83	13.87	14.94	121	3.402	3.820	4.279						
-8	95.86	104.5	113.5	57	12.51	13.52	14.58	122	3.350	3.764	4.218						
-7	92.31	100.5	109.1	58	12.19	13.19	14.24	123	3.299	3.708	4.158						
-6	88.91	96.66	104.8	59	11.89	12.87	13.90	124	3.250	3.654	4.099						
-5	<b>85.66</b>	<b>93.02</b>	<b>100.76</b>	60	<b>11.59</b>	<b>12.56</b>	<b>13.57</b>	125	<b>3.201</b>	<b>3.601</b>	<b>4.041</b>						
-4	82.56	89.54	96.88	61	11.30	12.26	13.26										
-3	79.58	86.22	93.18	62	11.03	11.96	12.95										
-2	76.74	83.04	89.64	63	10.76	11.68	12.65										
-1	74.01	80.00	86.26	64	10.50	11.41	12.36										
0	<b>71.40</b>	<b>77.09</b>	<b>83.03</b>	65	<b>10.24</b>	<b>11.14</b>	<b>12.08</b>										
1	68.89	74.31	79.95	66	10.00	10.88	11.81										
2	66.49	71.64	76.99	67	9.762	10.63	11.55										
3	64.19	69.09	74.17	68	9.533	10.39	11.29										
4	61.99	66.64	71.46	69	9.311	10.15	11.05										
5	<b>59.87</b>	<b>64.29</b>	<b>68.87</b>	70	<b>9.095</b>	<b>9.926</b>	<b>10.80</b>										
6	57.84	62.05	66.39	71	8.887	9.704	10.57										
7	55.89	59.89	64.02	72	8.684	9.489	10.34										
8	54.02	57.82	61.75	73	8.487	9.280	10.12										
9	52.22	55.84	59.57	74	8.296	9.078	9.908										
10	<b>50.49</b>	<b>53.94</b>	<b>57.48</b>	75	<b>8.111</b>	<b>8.881</b>	<b>9.699</b>										
11	48.84	52.12	55.48	76	7.931	8.690	9.497										
12	47.24	50.37	53.56	77	7.756	8.504	9.300										
13	45.72	48.69	51.72	78	7.587	8.323	9.108										
14	44.25	47.07	49.96	79	7.422	8.148	8.922										
15	<b>42.83</b>	<b>45.52</b>	<b>48.26</b>	80	<b>7.262</b>	<b>7.977</b>	<b>8.741</b>										
16	41.47	44.04	46.64	81	7.107	7.812	8.565										
17	40.17	42.61	45.08	82	6.956	7.651	8.394										
18	38.91	41.23	43.59	83	6.810	7.494	8.227										
19	37.70	39.91	42.15	84	6.668	7.342	8.065										
20	<b>36.54</b>	<b>38.65</b>	<b>40.77</b>	85	<b>6.530</b>	<b>7.195</b>	<b>7.908</b>										
21	35.42	37.43	39.45	86	6.395	7.051	7.754										
22	34.35	36.26	38.18	87	6.265	6.911	7.605										
23	33.31	35.13	36.95	88	6.138	6.775	7.460										
24	32.31	34.04	35.78	89	6.014	6.642	7.318										
25	<b>31.35</b>	<b>33.00</b>	<b>34.65</b>	90	<b>5.894</b>	<b>6.513</b>	<b>7.180</b>										