

## ERTJ1VA330H R-T Characteristics

(for reference)

$$R_{25} = 33 \text{ ohm } \pm 3\%$$

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

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	386.7	430.6	479.1	25	32.01	33.00	33.99	90	6.018	6.513	7.043						
-39	368.4	409.6	455.0	26	31.01	32.00	32.99	91	5.898	6.388	6.911						
-38	351.1	389.8	432.4	27	30.04	31.03	32.02	92	5.782	6.265	6.783						
-37	334.8	371.1	411.0	28	29.11	30.10	31.08	93	5.669	6.146	6.658						
-36	319.3	353.5	390.9	29	28.22	29.20	30.18	94	5.559	6.031	6.536						
-35	<b>304.7</b>	<b>336.8</b>	<b>371.9</b>	30	<b>27.35</b>	<b>28.33</b>	<b>29.31</b>	95	<b>5.452</b>	<b>5.918</b>	<b>6.418</b>						
-34	290.9	321.0	354.0	31	26.52	27.49	28.48	96	5.348	5.808	6.303						
-33	277.7	306.1	337.1	32	25.72	26.69	27.67	97	5.247	5.702	6.190						
-32	265.3	292.0	321.1	33	24.95	25.91	26.88	98	5.148	5.598	6.081						
-31	253.5	278.7	306.0	34	24.21	25.16	26.13	99	5.053	5.497	5.974						
-30	<b>242.4</b>	<b>266.0</b>	<b>291.7</b>	35	<b>23.50</b>	<b>24.44</b>	<b>25.40</b>	100	<b>4.960</b>	<b>5.398</b>	<b>5.871</b>						
-29	231.8	254.1	278.2	36	22.81	23.74	24.70	101	4.869	5.303	5.770						
-28	221.7	242.7	265.4	37	22.14	23.07	24.02	102	4.781	5.209	5.671						
-27	212.2	232.0	253.3	38	21.50	22.42	23.36	103	4.695	5.119	5.575						
-26	203.2	221.8	241.8	39	20.88	21.80	22.73	104	4.612	5.030	5.482						
-25	<b>194.6</b>	<b>212.1</b>	<b>231.0</b>	40	<b>20.28</b>	<b>21.19</b>	<b>22.12</b>	105	<b>4.530</b>	<b>4.944</b>	<b>5.391</b>						
-24	186.3	202.9	220.6	41	19.71	20.61	21.53	106	4.451	4.860	5.302						
-23	178.6	194.2	210.9	42	19.15	20.04	20.96	107	4.373	4.778	5.215						
-22	171.2	185.9	201.7	43	18.62	19.50	20.40	108	4.298	4.698	5.130						
-21	164.2	178.0	192.9	44	18.10	18.97	19.87	109	4.225	4.620	5.048						
-20	<b>157.5</b>	<b>170.6</b>	<b>184.5</b>	45	<b>17.60</b>	<b>18.46</b>	<b>19.35</b>	110	<b>4.153</b>	<b>4.544</b>	<b>4.967</b>						
-19	151.1	163.4	176.6	46	17.12	17.97	18.85	111	4.083	4.470	4.889						
-18	145.0	156.7	169.1	47	16.65	17.50	18.37	112	4.015	4.398	4.812						
-17	139.3	150.2	162.0	48	16.20	17.04	17.90	113	3.949	4.327	4.737						
-16	133.8	144.1	155.2	49	15.77	16.60	17.45	114	3.884	4.258	4.664						
-15	<b>128.5</b>	<b>138.3</b>	<b>148.7</b>	50	<b>15.35</b>	<b>16.17</b>	<b>17.01</b>	115	<b>3.821</b>	<b>4.191</b>	<b>4.592</b>						
-14	123.5	132.7	142.6	51	14.94	15.75	16.59	116	3.760	4.125	4.523						
-13	118.7	127.4	136.7	52	14.55	15.35	16.18	117	3.700	4.062	4.455						
-12	114.2	122.4	131.1	53	14.17	14.96	15.78	118	3.641	3.999	4.388						
-11	109.8	117.6	125.8	54	13.80	14.58	15.39	119	3.584	3.938	4.323						
-10	<b>105.6</b>	<b>113.0</b>	<b>120.8</b>	55	<b>13.45</b>	<b>14.22</b>	<b>15.02</b>	120	<b>3.528</b>	<b>3.879</b>	<b>4.260</b>						
-9	101.7	108.6	116.0	56	13.10	13.87	14.66	121	3.474	3.820	4.198						
-8	97.88	104.5	111.4	57	12.77	13.52	14.31	122	3.421	3.764	4.137						
-7	94.25	100.5	107.0	58	12.45	13.19	13.97	123	3.369	3.708	4.078						
-6	90.78	96.66	102.8	59	12.14	12.87	13.64	124	3.318	3.654	4.021						
-5	<b>87.47</b>	<b>93.02</b>	<b>98.84</b>	60	<b>11.83</b>	<b>12.56</b>	<b>13.32</b>	125	<b>3.268</b>	<b>3.601</b>	<b>3.964</b>						
-4	84.29	89.54	95.03	61	11.54	12.26	13.00										
-3	81.26	86.22	91.40	62	11.26	11.96	12.70										
-2	78.35	83.04	87.93	63	10.98	11.68	12.41										
-1	75.57	80.00	84.62	64	10.72	11.41	12.13										
0	<b>72.90</b>	<b>77.09</b>	<b>81.45</b>	65	<b>10.46</b>	<b>11.14</b>	<b>11.85</b>										
1	70.34	74.31	78.42	66	10.21	10.88	11.59										
2	67.89	71.64	75.53	67	9.968	10.63	11.33										
3	65.54	69.09	72.75	68	9.734	10.39	11.08										
4	63.29	66.64	70.10	69	9.507	10.15	10.83										
5	<b>61.13</b>	<b>64.29</b>	<b>67.56</b>	70	<b>9.287</b>	<b>9.926</b>	<b>10.60</b>										
6	59.05	62.05	65.13	71	9.074	9.704	10.37										
7	57.06	59.89	62.80	72	8.867	9.489	10.15										
8	55.15	57.82	60.57	73	8.666	9.280	9.930										
9	53.32	55.84	58.43	74	8.471	9.078	9.719										
10	<b>51.56</b>	<b>53.94</b>	<b>56.38</b>	75	<b>8.282</b>	<b>8.881</b>	<b>9.515</b>										
11	49.86	52.12	54.42	76	8.098	8.690	9.316										
12	48.24	50.37	52.54	77	7.920	8.504	9.122										
13	46.68	48.69	50.73	78	7.747	8.323	8.935										
14	45.18	47.07	49.00	79	7.579	8.148	8.752										
15	<b>43.73</b>	<b>45.52</b>	<b>47.34</b>	80	<b>7.415</b>	<b>7.977</b>	<b>8.574</b>										
16	42.35	44.04	45.75	81	7.257	7.812	8.402										
17	41.01	42.61	44.22	82	7.103	7.651	8.234										
18	39.73	41.23	42.76	83	6.953	7.494	8.070										
19	38.50	39.91	41.35	84	6.808	7.342	7.911										
20	<b>37.31</b>	<b>38.65</b>	<b>40.00</b>	85	<b>6.667</b>	<b>7.195</b>	<b>7.757</b>										
21	36.17	37.43	38.70	86	6.530	7.051	7.607										
22	35.07	36.26	37.45	87	6.397	6.911	7.460										
23	34.01	35.13	36.25	88	6.267	6.775	7.318										
24	32.99	34.04	35.10	89	6.140	6.642	7.179										
25	<b>32.01</b>	<b>33.00</b>	<b>33.99</b>	90	<b>6.018</b>	<b>6.513</b>	<b>7.043</b>										