

## ERTJ0EA101H R-T Characteristics

(for reference)

$$R_{25} = 100 \text{ ohm } \pm 3\%$$

$$B_{25/50} = 2800 \text{ K } \pm 3\%$$

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.
-40	1192	1328	1478	25	97.00	100.0	103.0	90	17.26	18.71	20.27
-39	1136	1263	1404	26	93.91	96.91	99.91	91	16.89	18.32	19.86
-38	1083	1203	1335	27	90.94	93.93	96.93	92	16.54	17.95	19.46
-37	1032	1145	1269	28	88.09	91.07	94.06	93	16.19	17.58	19.08
-36	984.9	1091	1207	29	85.34	88.31	91.30	94	15.85	17.23	18.70
-35	<b>939.9</b>	<b>1040</b>	<b>1149</b>	30	<b>82.69</b>	<b>85.65</b>	<b>88.63</b>	95	<b>15.52</b>	<b>16.88</b>	<b>18.34</b>
-34	897.3	991.0	1093	31	80.15	83.08	86.05	96	15.20	16.54	17.98
-33	856.9	945.0	1041	32	77.69	80.61	83.57	97	14.89	16.21	17.64
-32	818.7	901.5	991.9	33	75.33	78.23	81.18	98	14.59	15.89	17.30
-31	782.4	860.4	945.3	34	73.05	75.94	78.86	99	14.29	15.58	16.97
-30	<b>748.0</b>	<b>821.4</b>	<b>901.2</b>	35	<b>70.86</b>	<b>73.72</b>	<b>76.63</b>	100	<b>14.01</b>	<b>15.28</b>	<b>16.65</b>
-29	715.3	784.4	859.4	36	68.75	71.59	74.48	101	13.73	14.98	16.33
-28	684.3	749.4	819.9	37	66.71	69.53	72.40	102	13.45	14.69	16.03
-27	654.8	716.1	782.5	38	64.74	67.54	70.39	103	13.19	14.41	15.73
-26	626.8	684.6	747.0	39	62.85	65.62	68.45	104	12.93	14.13	15.44
-25	<b>600.2</b>	<b>654.7</b>	<b>713.4</b>	40	<b>61.02</b>	<b>63.76</b>	<b>66.57</b>	105	<b>12.68</b>	<b>13.87</b>	<b>15.16</b>
-24	575.1	626.5	681.8	41	59.26	61.97	64.76	106	12.43	13.61	14.88
-23	551.0	599.4	651.5	42	57.56	60.25	63.00	107	12.19	13.35	14.61
-22	528.1	573.7	622.8	43	55.92	58.58	61.31	108	11.96	13.10	14.34
-21	506.3	549.3	595.5	44	54.33	56.96	59.67	109	11.73	12.86	14.09
-20	<b>485.6</b>	<b>526.1</b>	<b>569.6</b>	45	<b>52.80</b>	<b>55.41</b>	<b>58.09</b>	110	<b>11.51</b>	<b>12.63</b>	<b>13.84</b>
-19	465.8	504.1	545.1	46	51.32	53.90	56.56	111	11.29	12.39	13.59
-18	447.0	483.2	521.7	47	49.90	52.44	55.07	112	11.08	12.17	13.35
-17	429.1	463.2	499.6	48	48.52	51.04	53.64	113	10.88	11.95	13.12
-16	412.0	444.2	478.5	49	47.18	49.67	52.25	114	10.68	11.74	12.89
-15	<b>395.7</b>	<b>426.1</b>	<b>458.4</b>	50	<b>45.90</b>	<b>48.36</b>	<b>50.91</b>	115	<b>10.48</b>	<b>11.53</b>	<b>12.67</b>
-14	380.2	408.9	439.3	51	44.65	47.08	49.60	116	10.29	11.32	12.45
-13	365.4	392.5	421.2	52	43.45	45.85	48.34	117	10.10	11.13	12.24
-12	351.2	376.8	403.9	53	42.28	44.66	47.12	118	9.922	10.93	12.03
-11	337.7	361.9	387.4	54	41.16	43.50	45.94	119	9.745	10.74	11.83
-10	<b>324.8</b>	<b>347.6</b>	<b>371.7</b>	55	<b>40.07</b>	<b>42.38</b>	<b>44.79</b>	120	<b>9.572</b>	<b>10.56</b>	<b>11.63</b>
-9	312.5	334.0	356.7	56	39.01	41.30	43.68	121	9.403	10.38	11.44
-8	300.7	321.1	342.5	57	37.99	40.25	42.61	122	9.239	10.20	11.25
-7	289.5	308.7	328.9	58	37.00	39.24	41.56	123	9.078	10.03	11.07
-6	278.7	296.9	315.9	59	36.05	38.25	40.55	124	8.922	9.860	10.89
-5	<b>268.4</b>	<b>285.6</b>	<b>303.6</b>	60	<b>35.12</b>	<b>37.30</b>	<b>39.57</b>	125	<b>8.769</b>	<b>9.695</b>	<b>10.71</b>
-4	258.6	274.8	291.8	61	34.23	36.37	38.62				
-3	249.2	264.5	280.5	62	33.36	35.48	37.69				
-2	240.2	254.7	269.8	63	32.52	34.61	36.80				
-1	231.6	245.2	259.5	64	31.70	33.76	35.93				
0	<b>223.3</b>	<b>236.2</b>	<b>249.7</b>	65	<b>30.91</b>	<b>32.95</b>	<b>35.09</b>				
1	215.4	227.6	240.3	66	30.15	32.16	34.27				
2	207.8	219.3	231.3	67	29.41	31.39	33.47				
3	200.5	211.4	222.7	68	28.69	30.64	32.70				
4	193.6	203.9	214.5	69	27.99	29.92	31.95				
5	<b>186.9</b>	<b>196.6</b>	<b>206.7</b>	70	<b>27.31</b>	<b>29.22</b>	<b>31.23</b>				
6	180.5	189.7	199.1	71	26.66	28.54	30.52				
7	174.3	183.0	191.9	72	26.02	27.87	29.83				
8	168.4	176.6	185.0	73	25.40	27.23	29.17				
9	162.7	170.5	178.4	74	24.80	26.61	28.52				
10	<b>157.3</b>	<b>164.6</b>	<b>172.1</b>	75	<b>24.22</b>	<b>26.00</b>	<b>27.89</b>				
11	152.1	159.0	166.0	76	23.66	25.41	27.27				
12	147.0	153.6	160.2	77	23.11	24.84	26.68				
13	142.2	148.4	154.6	78	22.58	24.29	26.10				
14	137.6	143.4	149.3	79	22.06	23.75	25.54				
15	<b>133.1</b>	<b>138.6</b>	<b>144.2</b>	80	<b>21.56</b>	<b>23.22</b>	<b>24.99</b>				
16	128.9	134.0	139.3	81	21.07	22.71	24.46				
17	124.7	129.6	134.5	82	20.60	22.21	23.94				
18	120.8	125.4	130.0	83	20.14	21.73	23.43				
19	117.0	121.3	125.7	84	19.69	21.26	22.94				
20	<b>113.3</b>	<b>117.4</b>	<b>121.5</b>	85	<b>19.26</b>	<b>20.81</b>	<b>22.47</b>				
21	109.8	113.6	117.5	86	18.83	20.37	22.00				
22	106.4	110.0	113.6	87	18.42	19.94	21.55				
23	103.2	106.6	110.0	88	18.03	19.52	21.11				
24	100.0	103.2	106.4	89	17.64	19.11	20.68				
25	<b>97.00</b>	<b>100.0</b>	<b>103.0</b>	90	<b>17.26</b>	<b>18.71</b>	<b>20.27</b>				