

**ERTJ0ER333H R-T Characteristics** (for reference)

**R<sub>25</sub> = 33 kohm +/-3%**

**B<sub>25/50</sub> = 4250 K +/-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	1280	1422	1579	25	32.01	33.00	33.99	90	2.270	2.465	2.674
-39	1194	1326	1470	26	30.51	31.48	32.45	91	2.192	2.382	2.586
-38	1115	1236	1369	27	29.08	30.04	31.00	92	2.117	2.302	2.501
-37	1042	1153	1275	28	27.73	28.67	29.61	93	2.046	2.226	2.420
-36	973.6	1076	1188	29	26.45	27.37	28.30	94	1.977	2.152	2.341
-35	<b>910.3</b>	<b>1005</b>	<b>1108</b>	30	<b>25.24</b>	<b>26.14</b>	<b>27.05</b>	95	<b>1.910</b>	<b>2.081</b>	<b>2.266</b>
-34	851.6	938.7	1034	31	24.08	24.97	25.86	96	1.847	2.013	2.193
-33	797.0	877.3	964.9	32	22.99	23.86	24.73	97	1.785	1.948	2.123
-32	746.2	820.3	901.0	33	21.95	22.80	23.66	98	1.727	1.885	2.056
-31	699.0	767.4	841.8	34	20.97	21.80	22.64	99	1.670	1.824	1.991
-30	<b>655.0</b>	<b>718.2</b>	<b>786.7</b>	35	<b>20.03</b>	<b>20.84</b>	<b>21.66</b>	100	<b>1.616</b>	<b>1.766</b>	<b>1.929</b>
-29	614.1	672.4	735.7	36	19.14	19.93	20.74	101	1.564	1.711	1.869
-28	576.0	629.9	688.2	37	18.30	19.07	19.86	102	1.514	1.657	1.812
-27	540.4	590.2	644.1	38	17.49	18.25	19.02	103	1.466	1.605	1.756
-26	507.3	553.4	603.0	39	16.73	17.47	18.22	104	1.419	1.555	1.703
-25	<b>476.4</b>	<b>519.0</b>	<b>564.8</b>	40	<b>16.00</b>	<b>16.72</b>	<b>17.46</b>	105	<b>1.375</b>	<b>1.508</b>	<b>1.652</b>
-24	447.7	487.1	529.5	41	15.31	16.01	16.73	106	1.332	1.461	1.602
-23	420.8	457.2	496.3	42	14.65	15.34	16.04	107	1.291	1.417	1.554
-22	395.6	429.3	465.4	43	14.02	14.69	15.38	108	1.251	1.374	1.508
-21	372.0	403.2	436.7	44	13.43	14.08	14.75	109	1.212	1.333	1.464
-20	<b>350.0</b>	<b>378.9</b>	<b>409.8</b>	45	<b>12.86</b>	<b>13.50</b>	<b>14.15</b>	110	<b>1.175</b>	<b>1.293</b>	<b>1.421</b>
-19	329.5	356.2	384.8	46	12.32	12.94	13.58	111	1.140	1.254	1.379
-18	310.3	335.1	361.5	47	11.80	12.41	13.03	112	1.105	1.217	1.339
-17	292.3	315.2	339.7	48	11.31	11.90	12.51	113	1.072	1.181	1.301
-16	275.4	296.7	319.3	49	10.84	11.42	12.01	114	1.040	1.147	1.263
-15	<b>259.7</b>	<b>279.4</b>	<b>300.3</b>	50	<b>10.39</b>	<b>10.95</b>	<b>11.53</b>	115	<b>1.009</b>	<b>1.113</b>	<b>1.227</b>
-14	244.9	263.1	282.5	51	9.967	10.51	11.08	116	0.9793	1.081	1.192
-13	231.0	248.0	265.9	52	9.561	10.09	10.64	117	0.9505	1.050	1.159
-12	218.0	233.7	250.3	53	9.172	9.691	10.23	118	0.9226	1.020	1.126
-11	205.8	220.4	235.8	54	8.802	9.306	9.831	119	0.8957	0.9904	1.094
-10	<b>194.4</b>	<b>207.9</b>	<b>222.2</b>	55	<b>8.448</b>	<b>8.940</b>	<b>9.451</b>	120	<b>0.8696</b>	<b>0.9622</b>	<b>1.064</b>
-9	183.6	196.2	209.4	56	8.110	8.589	9.088	121	0.8444	0.9348	1.034
-8	173.5	185.2	197.4	57	7.787	8.254	8.740	122	0.8200	0.9083	1.005
-7	164.0	174.9	186.2	58	7.479	7.933	8.407	123	0.7964	0.8827	0.9775
-6	155.1	165.2	175.7	59	7.184	7.626	8.089	124	0.7736	0.8579	0.9506
-5	<b>146.8</b>	<b>156.1</b>	<b>165.8</b>	60	<b>6.902</b>	<b>7.333</b>	<b>7.784</b>	125	<b>0.7515</b>	<b>0.8339</b>	<b>0.9244</b>
-4	138.9	147.5	156.6	61	6.633	7.053	7.492				
-3	131.5	139.5	147.9	62	6.376	6.784	7.213				
-2	124.5	132.0	139.7	63	6.130	6.527	6.945				
-1	117.9	124.9	132.1	64	5.894	6.282	6.688				
0	<b>111.8</b>	<b>118.2</b>	<b>124.9</b>	65	<b>5.669</b>	<b>6.046</b>	<b>6.442</b>				
1	105.9	111.9	118.1	66	5.453	5.821	6.207				
2	100.4	106.0	111.8	67	5.247	5.605	5.981				
3	95.26	100.4	105.8	68	5.050	5.398	5.765				
4	90.38	95.17	100.1	69	4.860	5.199	5.557				
5	<b>85.77</b>	<b>90.21</b>	<b>94.81</b>	70	<b>4.679</b>	<b>5.009</b>	<b>5.358</b>				
6	81.41	85.55	89.81	71	4.506	4.827	5.167				
7	77.31	81.15	85.10	72	4.340	4.653	4.984				
8	73.43	76.99	80.66	73	4.181	4.485	4.808				
9	69.76	73.07	76.47	74	4.028	4.325	4.639				
10	<b>66.30</b>	<b>69.38</b>	<b>72.53</b>	75	<b>3.882</b>	<b>4.171</b>	<b>4.477</b>				
11	63.03	65.89	68.81	76	3.742	4.023	4.322				
12	59.94	62.59	65.30	77	3.607	3.881	4.173				
13	57.02	59.48	61.99	78	3.478	3.745	4.029				
14	54.25	56.53	58.86	79	3.354	3.614	3.891				
15	<b>51.63</b>	<b>53.75</b>	<b>55.91</b>	80	<b>3.235</b>	<b>3.488</b>	<b>3.758</b>				
16	49.16	51.12	53.12	81	3.121	3.368	3.631				
17	46.82	48.64	50.49	82	3.011	3.251	3.508				
18	44.60	46.29	48.00	83	2.905	3.139	3.389				
19	42.50	44.06	45.65	84	2.804	3.032	3.275				
20	<b>40.51</b>	<b>41.96</b>	<b>43.43</b>	85	<b>2.706</b>	<b>2.928</b>	<b>3.166</b>				
21	38.62	39.97	41.33	86	2.612	2.828	3.060				
22	36.83	38.08	39.34	87	2.521	2.732	2.958				
23	35.14	36.30	37.46	88	2.434	2.640	2.860				
24	33.53	34.60	35.68	89	2.350	2.550	2.765				
25	<b>32.01</b>	<b>33.00</b>	<b>33.99</b>	90	<b>2.270</b>	<b>2.465</b>	<b>2.674</b>				