

## ERTJ1VR223H R-T Characteristics

(for reference)

$$R_{25} = 22 \text{ kohm} \quad \pm 3\%$$

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

Temp. Resistance (kohm)			Temp. Resistance (kohm)			Temp. Resistance (kohm)					
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	853.1	948.2	1053	25	21.34	22.00	22.66	90	1.513	1.643	1.782
-39	796.1	883.7	980.0	26	20.34	20.99	21.64	91	1.461	1.588	1.724
-38	743.4	824.0	912.5	27	19.39	20.03	20.66	92	1.412	1.535	1.667
-37	694.5	768.7	850.0	28	18.49	19.11	19.74	93	1.364	1.484	1.613
-36	649.0	717.4	792.3	29	17.63	18.25	18.87	94	1.318	1.435	1.561
-35	<b>606.9</b>	<b>669.9</b>	<b>738.8</b>	30	<b>16.82</b>	<b>17.43</b>	<b>18.03</b>	95	<b>1.274</b>	<b>1.388</b>	<b>1.510</b>
-34	567.7	625.8	689.2	31	16.06	16.65	17.24	96	1.231	1.342	1.462
-33	531.3	584.9	643.3	32	15.33	15.90	16.49	97	1.190	1.299	1.415
-32	497.5	546.9	600.7	33	14.64	15.20	15.77	98	1.151	1.257	1.371
-31	466.0	511.6	561.2	34	13.98	14.53	15.09	99	1.113	1.216	1.328
-30	<b>436.7</b>	<b>478.8</b>	<b>524.5</b>	35	<b>13.35</b>	<b>13.89</b>	<b>14.44</b>	100	<b>1.077</b>	<b>1.178</b>	<b>1.286</b>
-29	409.4	448.3	490.4	36	12.76	13.29	13.83	101	1.043	1.140	1.246
-28	384.0	419.9	458.8	37	12.20	12.71	13.24	102	1.009	1.105	1.208
-27	360.3	393.5	429.4	38	11.66	12.17	12.68	103	0.9771	1.070	1.171
-26	338.2	368.9	402.0	39	11.15	11.64	12.15	104	0.9463	1.037	1.135
-25	<b>317.6</b>	<b>346.0</b>	<b>376.6</b>	40	<b>10.67</b>	<b>11.15</b>	<b>11.64</b>	105	<b>0.9165</b>	<b>1.005</b>	<b>1.101</b>
-24	298.5	324.8	353.0	41	10.21	10.67	11.16	106	0.8879	0.9743	1.068
-23	280.5	304.8	330.9	42	9.767	10.22	10.69	107	0.8604	0.9446	1.036
-22	263.7	286.2	310.3	43	9.349	9.795	10.25	108	0.8339	0.9161	1.005
-21	248.0	268.8	291.1	44	8.951	9.387	9.834	109	0.8083	0.8885	0.9758
-20	<b>233.4</b>	<b>252.6</b>	<b>273.2</b>	45	<b>8.572</b>	<b>8.997</b>	<b>9.434</b>	110	<b>0.7836</b>	<b>0.8619</b>	<b>0.9472</b>
-19	219.7	237.5	256.5	46	8.211	8.625	9.052	111	0.7598	0.8363	0.9196
-18	206.9	223.4	241.0	47	7.868	8.271	8.688	112	0.7369	0.8115	0.8929
-17	194.9	210.2	226.5	48	7.540	7.933	8.340	113	0.7148	0.7876	0.8671
-16	183.6	197.8	212.9	49	7.227	7.611	8.007	114	0.6934	0.7646	0.8422
-15	<b>173.1</b>	<b>186.2</b>	<b>200.2</b>	50	<b>6.929</b>	<b>7.303</b>	<b>7.690</b>	115	<b>0.6728</b>	<b>0.7423</b>	<b>0.8182</b>
-14	163.2	175.4	188.4	51	6.645	7.009	7.386	116	0.6529	0.7207	0.7949
-13	154.0	165.3	177.3	52	6.374	6.728	7.096	117	0.6337	0.6999	0.7724
-12	145.3	155.8	166.9	53	6.115	6.460	6.819	118	0.6151	0.6798	0.7506
-11	137.2	146.9	157.2	54	5.868	6.204	6.554	119	0.5971	0.6603	0.7295
-10	<b>129.6</b>	<b>138.6</b>	<b>148.1</b>	55	<b>5.632</b>	<b>5.960</b>	<b>6.301</b>	120	<b>0.5797</b>	<b>0.6414</b>	<b>0.7091</b>
-9	122.4	130.8	139.6	56	5.407	5.726	6.059	121	0.5629	0.6232	0.6893
-8	115.7	123.5	131.6	57	5.191	5.502	5.827	122	0.5467	0.6056	0.6702
-7	109.4	116.6	124.1	58	4.986	5.289	5.605	123	0.5309	0.5885	0.6517
-6	103.4	110.1	117.1	59	4.789	5.084	5.393	124	0.5157	0.5719	0.6337
-5	<b>97.84</b>	<b>104.1</b>	<b>110.6</b>	60	<b>4.602</b>	<b>4.889</b>	<b>5.189</b>	125	<b>0.5010</b>	<b>0.5559</b>	<b>0.6163</b>
-4	92.59	98.36	104.4	61	4.422	4.702	4.995				
-3	87.65	93.01	98.60	62	4.251	4.523	4.808				
-2	83.00	87.98	93.16	63	4.086	4.352	4.630				
-1	78.63	83.25	88.06	64	3.929	4.188	4.459				
0	<b>74.51</b>	<b>78.80</b>	<b>83.26</b>	65	<b>3.779</b>	<b>4.031</b>	<b>4.295</b>				
1	70.62	74.61	78.74	66	3.636	3.880	4.138				
2	66.96	70.66	74.50	67	3.498	3.736	3.987				
3	63.51	66.95	70.51	68	3.366	3.598	3.843				
4	60.25	63.44	66.75	69	3.240	3.466	3.705				
5	<b>57.18</b>	<b>60.14</b>	<b>63.21</b>	70	<b>3.119</b>	<b>3.340</b>	<b>3.572</b>				
6	54.28	57.03	59.87	71	3.004	3.218	3.445				
7	51.54	54.10	56.73	72	2.893	3.102	3.322				
8	48.95	51.33	53.77	73	2.787	2.990	3.205				
9	46.51	48.72	50.98	74	2.685	2.883	3.093				
10	<b>44.20</b>	<b>46.25</b>	<b>48.35</b>	75	<b>2.588</b>	<b>2.781</b>	<b>2.985</b>				
11	42.02	43.92	45.87	76	2.494	2.682	2.881				
12	39.96	41.73	43.53	77	2.405	2.588	2.782				
13	38.01	39.65	41.32	78	2.319	2.497	2.686				
14	36.17	37.69	39.24	79	2.236	2.409	2.594				
15	<b>34.42</b>	<b>35.84</b>	<b>37.27</b>	80	<b>2.157</b>	<b>2.326</b>	<b>2.505</b>				
16	32.77	34.08	35.41	81	2.080	2.245	2.420				
17	31.21	32.43	33.66	82	2.007	2.167	2.338				
18	29.73	30.86	32.00	83	1.937	2.093	2.260				
19	28.33	29.38	30.43	84	1.869	2.021	2.184				
20	<b>27.00</b>	<b>27.97</b>	<b>28.95</b>	85	<b>1.804</b>	<b>1.952</b>	<b>2.110</b>				
21	25.75	26.65	27.55	86	1.741	1.886	2.040				
22	24.56	25.39	26.22	87	1.681	1.822	1.972				
23	23.43	24.20	24.97	88	1.623	1.760	1.906				
24	22.36	23.07	23.78	89	1.567	1.700	1.843				
25	<b>21.34</b>	<b>22.00</b>	<b>22.66</b>	90	<b>1.513</b>	<b>1.643</b>	<b>1.782</b>				