

## ERTJ1VV154H R-T Characteristics

(for reference)

$$R_{25} = 150 \text{ kohm } \pm 3\%$$

$$B_{25/50} = 4700 \text{ K } \pm 2\%$$

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.	T(deg.C)	R min.	R cen.	R max.		
-40	8012	8964	10020	25	145.5	150.0	154.5	90	7.778	8.493	9.264						
-39	7438	8310	9274	26	138.0	142.4	146.8	91	7.489	8.183	8.934						
-38	6909	7706	8588	27	130.9	135.2	139.6	92	7.212	7.887	8.616						
-37	6420	7151	7957	28	124.2	128.5	132.7	93	6.947	7.602	8.312						
-36	5969	6638	7376	29	117.9	122.1	126.2	94	6.693	7.329	8.019						
-35	<b>5552</b>	<b>6166</b>	<b>6840</b>	30	<b>112.0</b>	<b>116.0</b>	<b>120.1</b>	95	<b>6.449</b>	<b>7.068</b>	<b>7.738</b>						
-34	5167	5729	6347	31	106.3	110.3	114.3	96	6.215	6.816	7.469						
-33	4811	5326	5892	32	101.0	104.9	108.8	97	5.991	6.575	7.210						
-32	4481	4954	5472	33	95.99	99.77	103.6	98	5.776	6.344	6.961						
-31	4176	4610	5085	34	91.24	94.93	98.67	99	5.570	6.122	6.722						
-30	<b>3893</b>	<b>4292</b>	<b>4727</b>	35	<b>86.75</b>	<b>90.34</b>	<b>94.00</b>	100	<b>5.372</b>	<b>5.908</b>	<b>6.492</b>						
-29	3631	3997	4397	36	82.50	86.00	89.57	101	5.182	5.704	6.272						
-28	3388	3725	4091	37	78.48	81.89	85.37	102	5.000	5.507	6.060						
-27	3163	3472	3808	38	74.67	78.00	81.39	103	4.825	5.318	5.856						
-26	2954	3238	3547	39	71.07	74.31	77.62	104	4.658	5.137	5.660						
-25	<b>2760</b>	<b>3022</b>	<b>3305</b>	40	<b>67.66</b>	<b>70.81</b>	<b>74.04</b>	105	<b>4.496</b>	<b>4.962</b>	<b>5.472</b>						
-24	2579	2820	3080	41	64.43	67.49	70.64	106	4.342	4.795	5.291						
-23	2412	2633	2872	42	61.37	64.35	67.41	107	4.193	4.634	5.117						
-22	2257	2460	2680	43	58.47	61.36	64.34	108	4.050	4.479	4.949						
-21	2112	2300	2501	44	55.72	58.53	61.43	109	3.912	4.330	4.787						
-20	<b>1978</b>	<b>2150</b>	<b>2336</b>	45	<b>53.11</b>	<b>55.84</b>	<b>58.67</b>	110	<b>3.780</b>	<b>4.186</b>	<b>4.632</b>						
-19	1852	2011	2182	46	50.63	53.29	56.04	111	3.653	4.048	4.482						
-18	1736	1882	2039	47	48.29	50.87	53.54	112	3.531	3.915	4.338						
-17	1627	1762	1906	48	46.06	48.57	51.17	113	3.413	3.788	4.199						
-16	1526	1650	1783	49	43.95	46.38	48.91	114	3.300	3.664	4.065						
-15	<b>1431</b>	<b>1546</b>	<b>1668</b>	50	<b>41.94</b>	<b>44.30</b>	<b>46.76</b>	115	<b>3.191</b>	<b>3.546</b>	<b>3.936</b>						
-14	1343	1449	1562	51	40.03	42.33	44.72	116	3.086	3.431	3.811						
-13	1261	1358	1462	52	38.22	40.45	42.77	117	2.985	3.321	3.691						
-12	1184	1274	1370	53	36.50	38.66	40.91	118	2.887	3.215	3.576						
-11	1113	1196	1284	54	34.86	36.96	39.15	119	2.794	3.112	3.464						
-10	<b>1046</b>	<b>1122</b>	<b>1203</b>	55	<b>33.30</b>	<b>35.34</b>	<b>37.46</b>	120	<b>2.703</b>	<b>3.013</b>	<b>3.356</b>						
-9	983.1	1054	1129	56	31.82	33.79	35.86	121	2.616	2.918	3.252						
-8	924.6	989.9	1059	57	30.41	32.33	34.33	122	2.532	2.826	3.151						
-7	869.9	930.1	993.6	58	29.07	30.93	32.88	123	2.451	2.737	3.054						
-6	818.7	874.3	932.9	59	27.79	29.60	31.49	124	2.372	2.651	2.960						
-5	<b>770.8</b>	<b>822.1</b>	<b>876.1</b>	60	<b>26.58</b>	<b>28.33</b>	<b>30.17</b>	125	<b>2.297</b>	<b>2.569</b>	<b>2.870</b>						
-4	725.9	773.3	823.1	61	25.43	27.13	28.91										
-3	683.9	727.7	773.5	62	24.33	25.98	27.71										
-2	644.5	684.9	727.2	63	23.28	24.88	26.57										
-1	607.6	644.9	683.9	64	22.29	23.84	25.48										
0	<b>573.0</b>	<b>607.4</b>	<b>643.4</b>	65	<b>21.34</b>	<b>22.85</b>	<b>24.43</b>										
1	540.5	572.3	605.5	66	20.44	21.90	23.44										
2	510.0	539.4	570.0	67	19.58	21.00	22.50										
3	481.3	508.5	536.7	68	18.77	20.14	21.59										
4	454.4	479.5	505.5	69	17.99	19.32	20.73										
5	<b>429.2</b>	<b>452.3</b>	<b>476.3</b>	70	<b>17.25</b>	<b>18.54</b>	<b>19.91</b>										
6	405.4	426.8	448.9	71	16.54	17.79	19.13										
7	383.1	402.8	423.2	72	15.87	17.08	18.38										
8	362.1	380.3	399.1	73	15.22	16.40	17.66										
9	342.4	359.2	376.5	74	14.61	15.76	16.98										
10	<b>323.8</b>	<b>339.3</b>	<b>355.2</b>	75	<b>14.02</b>	<b>15.14</b>	<b>16.32</b>										
11	306.3	320.7	335.3	76	13.46	14.54	15.70										
12	289.9	303.1	316.6	77	12.93	13.98	15.10										
13	274.4	286.6	299.1	78	12.42	13.44	14.53										
14	259.9	271.1	282.5	79	11.93	12.92	13.98										
15	<b>246.1</b>	<b>256.5</b>	<b>267.0</b>	80	<b>11.47</b>	<b>12.43</b>	<b>13.45</b>										
16	233.2	242.8	252.5	81	11.02	11.95	12.95										
17	221.0	229.8	238.8	82	10.60	11.50	12.47										
18	209.6	217.7	225.9	83	10.19	11.06	12.01										
19	198.7	206.2	213.7	84	9.797	10.65	11.56										
20	<b>188.5</b>	<b>195.4</b>	<b>202.3</b>	85	<b>9.423</b>	<b>10.25</b>	<b>11.14</b>										
21	178.9	185.2	191.6	86	9.065	9.868	10.73										
22	169.8	175.6	181.5	87	8.722	9.502	10.34										
23	161.2	166.6	171.9	88	8.394	9.151	9.968										
24	153.1	158.0	163.0	89	8.079	8.815	9.609										
25	<b>145.5</b>	<b>150.0</b>	<b>154.5</b>	90	<b>7.778</b>	<b>8.493</b>	<b>9.264</b>										