

## ERTJ1VT224J R-T Characteristics

(for reference)

$$R_{25} = 220 \text{ kohm } \pm 5\%$$

$$B_{25/50} = 4500 \text{ K } \pm 2\%$$

Temp.			Resistance (kohm)			Temp.			Resistance (kohm)			Temp.			Resistance (kohm)		
T(deg.C)	R min.	R typ.	R max.	T(deg.C)	R min.	R typ.	R max.	T(deg.C)	R min.	R typ.	R max.	T(deg.C)	R min.	R typ.	R max.		
-40	9109	10356	11745	25	209.0	220.0	231.0	90	12.55	13.96	15.49						
-39	8505	9656	10936	26	198.7	209.4	220.0	91	12.10	13.47	14.95						
-38	7945	9007	10187	27	188.9	199.3	209.6	92	11.67	13.00	14.44						
-37	7424	8405	9493	28	179.7	189.7	199.8	93	11.25	12.54	13.95						
-36	6940	7847	8850	29	171.0	180.7	190.5	94	10.85	12.11	13.47						
-35	6490	7328	8253	30	162.7	172.1	181.6	95	10.47	11.69	13.02						
-34	6072	6846	7700	31	154.9	164.0	173.2	96	10.11	11.29	12.58						
-33	5683	6399	7187	32	147.5	156.3	165.2	97	9.755	10.90	12.16						
-32	5320	5983	6711	33	140.4	149.0	157.6	98	9.417	10.53	11.75						
-31	4983	5596	6269	34	133.8	142.0	150.5	99	9.093	10.18	11.37						
-30	4669	5236	5858	35	127.5	135.5	143.6	100	8.782	9.837	10.99						
-29	4376	4901	5476	36	121.5	129.2	137.1	101	8.484	9.510	10.63						
-28	4103	4589	5121	37	115.8	123.3	131.0	102	8.198	9.195	10.29						
-27	3848	4299	4790	38	110.4	117.7	125.1	103	7.923	8.893	9.957						
-26	3611	4028	4483	39	105.3	112.4	119.6	104	7.660	8.603	9.638						
-25	3389	3776	4197	40	100.5	107.3	114.3	105	7.407	8.324	9.332						
-24	3182	3541	3930	41	95.86	102.5	109.2	106	7.163	8.056	9.037						
-23	2989	3322	3682	42	91.49	97.88	104.5	107	6.929	7.798	8.753						
-22	2808	3117	3451	43	87.34	93.53	99.90	108	6.704	7.549	8.480						
-21	2639	2926	3235	44	83.40	89.39	95.56	109	6.488	7.310	8.217						
-20	2481	2747	3034	45	79.66	85.45	91.43	110	6.279	7.080	7.963						
-19	2333	2580	2846	46	76.10	81.70	87.50	111	6.078	6.858	7.718						
-18	2195	2424	2671	47	72.71	78.14	83.76	112	5.885	6.643	7.481						
-17	2066	2279	2507	48	69.49	74.75	80.20	113	5.698	6.437	7.253						
-16	1945	2142	2354	49	66.43	71.52	76.80	114	5.518	6.237	7.033						
-15	1831	2015	2212	50	63.52	68.44	73.56	115	5.344	6.045	6.820						
-14	1725	1896	2078	51	60.75	65.51	70.47	116	5.176	5.859	6.614						
-13	1625	1784	1953	52	58.11	62.72	67.53	117	5.014	5.679	6.415						
-12	1532	1679	1837	53	55.59	60.06	64.72	118	4.858	5.505	6.223						
-11	1444	1582	1727	54	53.19	57.52	62.04	119	4.707	5.337	6.037						
-10	1362	1490	1625	55	50.91	55.10	59.48	120	4.561	5.175	5.857						
-9	1285	1404	1530	56	48.74	52.79	57.03	121	4.419	5.017	5.682						
-8	1213	1323	1440	57	46.66	50.59	54.70	122	4.283	4.865	5.513						
-7	1145	1248	1356	58	44.69	48.49	52.47	123	4.150	4.718	5.349						
-6	1081	1177	1278	59	42.81	46.48	50.35	124	4.022	4.575	5.191						
-5	1021	1110	1204	60	41.01	44.57	48.32	125	3.898	4.437	5.037						
-4	964.7	1048	1135	61	39.30	42.75	46.38										
-3	911.8	989.1	1070	62	37.67	41.01	44.53										
-2	862.0	934.0	1009.4	63	36.12	39.35	42.76										
-1	815.1	882.2	952.4	64	34.63	37.76	41.07										
0	771.1	833.6	898.9	65	33.22	36.25	39.46										
1	729.6	787.8	848.6	66	31.87	34.81	37.92										
2	690.4	744.7	801.3	67	30.58	33.43	36.45										
3	653.6	704.2	756.8	68	29.35	32.11	35.04										
4	618.9	666.0	715.0	69	28.18	30.85	33.69										
5	586.1	630.1	675.7	70	27.06	29.65	32.40										
6	555.3	596.3	638.7	71	25.99	28.50	31.17										
7	526.1	564.4	603.9	72	24.97	27.40	30.00										
8	498.7	534.3	571.1	73	23.99	26.35	28.87										
9	472.8	506.0	540.3	74	23.06	25.35	27.79										
10	448.4	479.4	511.2	75	22.17	24.39	26.76										
11	425.3	454.2	483.9	76	21.32	23.47	25.77										
12	403.5	430.5	458.1	77	20.50	22.58	24.82										
13	383.0	408.1	433.9	78	19.72	21.74	23.91										
14	363.6	387.0	411.0	79	18.97	20.93	23.04										
15	345.2	367.1	389.5	80	18.26	20.16	22.20										
16	327.9	348.4	369.2	81	17.57	19.42	21.40										
17	311.6	330.6	350.0	82	16.91	18.70	20.63										
18	296.1	313.9	331.9	83	16.28	18.02	19.89										
19	281.5	298.1	314.9	84	15.68	17.37	19.19										
20	267.7	283.2	298.8	85	15.10	16.74	18.51										
21	254.6	269.1	283.7	86	14.55	16.14	17.85										
22	242.2	255.7	269.3	87	14.02	15.56	17.23										
23	230.5	243.2	255.8	88	13.51	15.00	16.62										
24	219.5	231.3	243.1	89	13.02	14.47	16.04										
25	209.0	220.0	231.0	90	12.55	13.96	15.49										