

ERTJ0EM103H R-T Characteristics

(for reference)

$$R_{25} = 10 \text{ kohm} \quad \pm 3\%$$

$$B_{25/50} = 3900 \text{ K} \quad \pm 2\%$$

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	290.6	321.1	354.5	25	9.700	10.00	10.30	90	0.8530	0.9223	0.9964
-39	272.7	300.9	331.8	26	9.281	9.576	9.872	91	0.8273	0.8950	0.9675
-38	255.9	282.0	310.6	27	8.883	9.173	9.465	92	0.8024	0.8687	0.9395
-37	240.3	264.5	290.9	28	8.504	8.790	9.077	93	0.7784	0.8432	0.9125
-36	225.7	248.2	272.6	29	8.144	8.425	8.707	94	0.7552	0.8185	0.8864
-35	212.1	232.9	255.5	30	7.802	8.078	8.355	95	0.7328	0.7947	0.8611
-34	199.5	218.7	239.6	31	7.476	7.746	8.020	96	0.7112	0.7717	0.8367
-33	187.6	205.5	224.8	32	7.165	7.431	7.699	97	0.6903	0.7495	0.8130
-32	176.6	193.1	211.0	33	6.870	7.130	7.394	98	0.6701	0.7280	0.7901
-31	166.2	181.6	198.2	34	6.588	6.843	7.102	99	0.6505	0.7071	0.7680
-30	156.5	170.8	186.2	35	6.319	6.569	6.823	100	0.6317	0.6870	0.7466
-29	147.5	160.7	175.0	36	6.062	6.307	6.557	101	0.6134	0.6675	0.7258
-28	139.0	151.3	164.5	37	5.817	6.057	6.302	102	0.5957	0.6487	0.7057
-27	131.1	142.5	154.8	38	5.583	5.819	6.058	103	0.5786	0.6304	0.6863
-26	123.6	134.3	145.7	39	5.360	5.590	5.825	104	0.5621	0.6128	0.6674
-25	116.7	126.5	137.1	40	5.146	5.372	5.602	105	0.5461	0.5957	0.6491
-24	110.1	119.3	129.1	41	4.942	5.163	5.388	106	0.5306	0.5791	0.6314
-23	104.0	112.5	121.7	42	4.747	4.963	5.184	107	0.5156	0.5631	0.6143
-22	98.26	106.2	114.7	43	4.560	4.771	4.988	108	0.5011	0.5475	0.5977
-21	92.86	100.2	108.1	44	4.381	4.588	4.799	109	0.4871	0.5325	0.5816
-20	87.79	94.66	102.0	45	4.210	4.412	4.619	110	0.4735	0.5179	0.5660
-19	83.03	89.43	96.24	46	4.046	4.243	4.446	111	0.4603	0.5038	0.5509
-18	78.55	84.51	90.84	47	3.889	4.082	4.280	112	0.4476	0.4902	0.5362
-17	74.34	79.89	85.78	48	3.738	3.927	4.121	113	0.4353	0.4769	0.5221
-16	70.38	75.55	81.03	49	3.594	3.778	3.968	114	0.4234	0.4641	0.5083
-15	66.66	71.48	76.57	50	3.455	3.635	3.821	115	0.4118	0.4517	0.4950
-14	63.15	67.64	72.39	51	3.322	3.498	3.679	116	0.4006	0.4397	0.4821
-13	59.85	64.04	68.45	52	3.194	3.366	3.543	117	0.3898	0.4280	0.4695
-12	56.74	60.64	64.75	53	3.071	3.239	3.412	118	0.3793	0.4167	0.4574
-11	53.81	57.45	61.28	54	2.953	3.117	3.286	119	0.3692	0.4058	0.4456
-10	51.05	54.44	58.01	55	2.840	2.999	3.165	120	0.3594	0.3952	0.4342
-9	48.44	51.61	54.93	56	2.731	2.887	3.048	121	0.3498	0.3849	0.4232
-8	45.99	48.94	52.03	57	2.627	2.779	2.936	122	0.3406	0.3750	0.4125
-7	43.67	46.42	49.31	58	2.528	2.675	2.829	123	0.3317	0.3653	0.4021
-6	41.48	44.05	46.74	59	2.432	2.576	2.726	124	0.3230	0.3560	0.3920
-5	39.41	41.81	44.32	60	2.341	2.481	2.628	125	0.3140	0.3462	0.3814
-4	37.46	39.70	42.04	61	2.253	2.390	2.533				
-3	35.62	37.71	39.88	62	2.169	2.303	2.443				
-2	33.88	35.83	37.85	63	2.090	2.220	2.357				
-1	32.23	34.05	35.94	64	2.013	2.140	2.274				
0	30.67	32.37	34.13	65	1.940	2.064	2.195				
1	29.19	30.78	32.42	66	1.871	1.992	2.119				
2	27.80	29.28	30.81	67	1.804	1.922	2.047				
3	26.47	27.86	29.29	68	1.741	1.856	1.977				
4	25.22	26.51	27.84	69	1.681	1.793	1.911				
5	24.03	25.24	26.48	70	1.623	1.733	1.849				
6	22.91	24.03	25.19	71	1.568	1.675	1.788				
7	21.84	22.89	23.97	72	1.516	1.620	1.731				
8	20.83	21.81	22.82	73	1.465	1.568	1.676				
9	19.87	20.79	21.73	74	1.417	1.517	1.623				
10	18.96	19.82	20.69	75	1.371	1.469	1.572				
11	18.10	18.89	19.71	76	1.327	1.423	1.523				
12	17.28	18.02	18.78	77	1.285	1.378	1.477				
13	16.50	17.19	17.90	78	1.244	1.335	1.432				
14	15.76	16.41	17.07	79	1.205	1.294	1.388				
15	15.06	15.67	16.28	80	1.167	1.254	1.346				
16	14.39	14.96	15.53	81	1.130	1.215	1.306				
17	13.76	14.29	14.82	82	1.095	1.178	1.267				
18	13.16	13.65	14.15	83	1.061	1.142	1.229				
19	12.59	13.05	13.51	84	1.028	1.108	1.192				
20	12.04	12.47	12.90	85	0.9964	1.074	1.157				
21	11.53	11.93	12.33	86	0.9656	1.042	1.122				
22	11.04	11.41	11.78	87	0.9360	1.010	1.089				
23	10.57	10.91	11.26	88	0.9073	0.9799	1.057				
24	10.12	10.45	10.77	89	0.8797	0.9506	1.026				
25	9.700	10.00	10.30	90	0.8530	0.9223	0.9964				