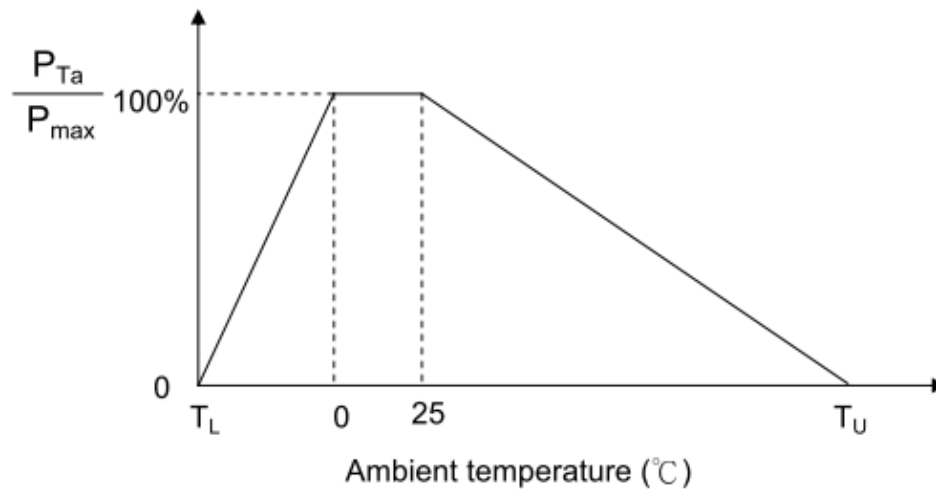


Zero Power Resistance at 25°C	Tolerance of R ₂₅	B _{25/50} Value	Tolerance of B Value	Max. Power Dissipation at 25°C	Dissipation Factor	Thermal Time Constant	Operating Temperature Range
R ₂₅ (KΩ)	(± %)	(K)	(± %)	P _{max} (mW)	δ (mW/°C)	τ (sec.)	T _L ~T _U (°C)
10	1	3450	1	210	Approx. 2.1	Approx. 3.1	-40 ~ +125

Max. Power Dissipation Derating Curve



Note: T_L = Minimum operating temperature (°C)

T_U = Maximum operating temperature (°C)

For example :

Ambient temperature(T_a)=55°C

Maximum operating temperature(T_u)= 125°C

$P_{Ta} = (T_u - T_a) / (T_u - 25) \times P_{max} = 70\% P_{max}$

R25 = 10 KOhm \pm 1%
 B25/50 = 3450 K \pm 1%

Temperature (°C)	Rmax. (KΩ)	Rnor. (KΩ)	Rmin. (KΩ)	Temperature Tol. (°C)		Resistance Tol. (%)	
-40	223.63	214.73	206.16	-0.69	0.71	4.1%	-4.0%
-39	210.99	202.71	194.74	-0.69	0.71	4.1%	-3.9%
-38	199.16	191.45	184.02	-0.68	0.70	4.0%	-3.9%
-37	188.07	180.89	173.97	-0.68	0.70	4.0%	-3.8%
-36	177.68	170.99	164.54	-0.68	0.69	3.9%	-3.8%
-35	167.93	161.71	155.70	-0.67	0.69	3.9%	-3.7%
-34	158.80	152.99	147.39	-0.67	0.69	3.8%	-3.7%
-33	150.22	144.81	139.58	-0.66	0.68	3.7%	-3.6%
-32	142.17	137.12	132.24	-0.66	0.67	3.7%	-3.6%
-31	134.60	129.89	125.34	-0.65	0.67	3.6%	-3.5%
-30	127.47	123.08	118.83	-0.65	0.66	3.6%	-3.5%
-29	120.77	116.67	112.70	-0.64	0.66	3.5%	-3.4%
-28	114.46	110.64	106.93	-0.63	0.65	3.5%	-3.4%
-27	108.51	104.94	101.48	-0.63	0.64	3.4%	-3.3%
-26	102.91	99.571	96.336	-0.62	0.64	3.3%	-3.2%
-25	97.617	94.504	91.481	-0.61	0.63	3.3%	-3.2%
-24	92.628	89.720	86.895	-0.61	0.63	3.2%	-3.1%
-23	87.919	85.203	82.563	-0.60	0.62	3.2%	-3.1%
-22	83.473	80.936	78.469	-0.59	0.61	3.1%	-3.0%
-21	79.275	76.905	74.599	-0.59	0.61	3.1%	-3.0%
-20	75.311	73.096	70.940	-0.58	0.60	3.0%	-2.9%
-19	71.565	69.496	67.480	-0.57	0.59	3.0%	-2.9%
-18	68.026	66.093	64.208	-0.57	0.59	2.9%	-2.9%
-17	64.682	62.875	61.112	-0.56	0.58	2.9%	-2.8%
-16	61.521	59.832	58.184	-0.56	0.57	2.8%	-2.8%
-15	58.533	56.954	55.412	-0.55	0.57	2.8%	-2.7%
-14	55.708	54.232	52.789	-0.54	0.56	2.7%	-2.7%
-13	53.036	51.655	50.306	-0.54	0.55	2.7%	-2.6%
-12	50.508	49.217	47.954	-0.53	0.55	2.6%	-2.6%
-11	48.116	46.909	45.727	-0.52	0.54	2.6%	-2.5%
-10	45.852	44.723	43.617	-0.52	0.53	2.5%	-2.5%
-9	43.708	42.652	41.618	-0.51	0.53	2.5%	-2.4%
-8	41.678	40.691	39.722	-0.50	0.52	2.4%	-2.4%
-7	39.755	38.831	37.925	-0.50	0.51	2.4%	-2.3%
-6	37.933	37.068	36.220	-0.49	0.51	2.3%	-2.3%
-5	36.205	35.396	34.602	-0.48	0.50	2.3%	-2.2%
-4	34.566	33.810	33.066	-0.48	0.49	2.2%	-2.2%
-3	33.012	32.304	31.608	-0.47	0.49	2.2%	-2.2%
-2	31.537	30.874	30.223	-0.46	0.48	2.1%	-2.1%
-1	30.136	29.516	28.907	-0.46	0.47	2.1%	-2.1%

B25/50 = 3450 K ± 1%

Temperature (°C)	Rmax. (KΩ)	Rnor. (KΩ)	Rmin. (KΩ)	Temperature Tol. (°C)		Resistance Tol. (%)	
0	28.806	28.226	27.655	-0.45	0.47	2.1%	-2.0%
1	27.542	26.999	26.465	-0.44	0.46	2.0%	-2.0%
2	26.340	25.833	25.333	-0.43	0.45	2.0%	-1.9%
3	25.198	24.724	24.256	-0.43	0.44	1.9%	-1.9%
4	24.112	23.668	23.231	-0.42	0.44	1.9%	-1.8%
5	23.078	22.664	22.254	-0.41	0.43	1.8%	-1.8%
6	22.095	21.707	21.324	-0.41	0.42	1.8%	-1.8%
7	21.158	20.796	20.438	-0.40	0.41	1.7%	-1.7%
8	20.266	19.928	19.593	-0.39	0.40	1.7%	-1.7%
9	19.417	19.100	18.787	-0.38	0.40	1.7%	-1.6%
10	18.607	18.312	18.019	-0.37	0.39	1.6%	-1.6%
11	17.835	17.560	17.286	-0.37	0.38	1.6%	-1.6%
12	17.100	16.843	16.587	-0.36	0.37	1.5%	-1.5%
13	16.398	16.158	15.920	-0.35	0.36	1.5%	-1.5%
14	15.729	15.506	15.283	-0.34	0.36	1.4%	-1.4%
15	15.091	14.882	14.675	-0.33	0.35	1.4%	-1.4%
16	14.482	14.288	14.094	-0.33	0.34	1.4%	-1.4%
17	13.901	13.720	13.540	-0.32	0.33	1.3%	-1.3%
18	13.346	13.177	13.010	-0.31	0.32	1.3%	-1.3%
19	12.816	12.659	12.503	-0.30	0.32	1.2%	-1.2%
20	12.310	12.165	12.019	-0.29	0.31	1.2%	-1.2%
21	11.827	11.692	11.557	-0.29	0.30	1.2%	-1.2%
22	11.366	11.240	11.114	-0.28	0.29	1.1%	-1.1%
23	10.924	10.808	10.691	-0.27	0.28	1.1%	-1.1%
24	10.503	10.395	10.287	-0.26	0.27	1.0%	-1.0%
25	10.100	10.000	9.9000	-0.25	0.26	1.0%	-1.0%
26	9.7223	9.6223	9.5224	-0.26	0.28	1.0%	-1.0%
27	9.3608	9.2610	9.1614	-0.28	0.29	1.1%	-1.1%
28	9.0149	8.9154	8.8161	-0.29	0.30	1.1%	-1.1%
29	8.6837	8.5846	8.4858	-0.30	0.31	1.2%	-1.2%
30	8.3666	8.2680	8.1698	-0.31	0.32	1.2%	-1.2%
31	8.0629	7.9649	7.8673	-0.32	0.34	1.2%	-1.2%
32	7.7720	7.6747	7.5779	-0.34	0.35	1.3%	-1.3%
33	7.4933	7.3968	7.3007	-0.35	0.36	1.3%	-1.3%
34	7.2262	7.1305	7.0354	-0.36	0.37	1.3%	-1.3%
35	6.9702	6.8754	6.7812	-0.37	0.39	1.4%	-1.4%
36	6.7248	6.6309	6.5377	-0.38	0.40	1.4%	-1.4%
37	6.4894	6.3965	6.3044	-0.40	0.41	1.5%	-1.4%
38	6.2637	6.1718	6.0807	-0.41	0.42	1.5%	-1.5%
39	6.0472	5.9563	5.8663	-0.42	0.44	1.5%	-1.5%