

1. Electrical Characteristics

	Item	Symbol	Test conditions	Unit	Specification
1.1	Zero Power Resistance at 25°C	R25	Ta=25±0.5°C Test Power≤0.1mW	KΩ	47KΩ±5%
1.2	B-value	B25/50	$B=[(Ta \times Tb)/(Tb - Ta)] \times \ln(Ra/Rb)$ Ta=25°C±0.01°C Tb=50°C±0.01°C	K	4300±10%
1.3	Thermal dissipation Coefficient	δ	In still air	mW/°C	about 4.5
1.4	Thermal time constant	τ	In still air	sec	about 20
1.5	Insulation resistance	/	1000V/DC 1min	MΩ	≥500
1.6	Operating temperature	/	/	°C	-30°C ~ 125°C
1.7	Maximum rated power	Pmax	/	mW	450

2. Reliability

	Item	Test conditions and methods	Technical requirements
2.1	Terminal strength	Pull: wire diameter(mm) pulling force (N) 0.35<d≤0.5 5,0.5<d≤0.8 10 time: 10±1 sec	No obvious damage, R25 ΔR/R≤±3%
2.2	Solderability	temperature : 245±5°C for 2-3sec	the coverage area should be more than 95%.
2.3	Welding heat resistant	Tin pan temperature : 260±5°C, immersion depth is apart from the body resistance 6mm , time:5±1sec	R25 ΔR/R≤±3%,
2.4	Steady humidity and heat	Temp: 40°C±2°C, humidity: 93±2%, Time : 500hrs	R25 ΔR/R≤±3%,
2.5	Rapid changes in temperature	-30°C30min→25°C5min→1 25°C30min→25°C5min , 5cycles	R25 ΔR/R≤±3%
2.6	High temperature storage	Temp : 125°C±5°C, Time :1000hrs	R25 ΔR/R≤±5%
2.7	Low temperature storage	Temp : -30°C, Time :1000hrs	R25 ΔR/R≤±5%

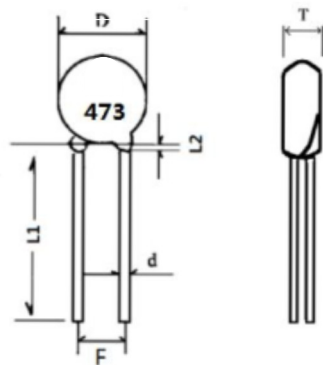
3. Matters need attention

- 3.1 This product uses: Temperature measurement and control;
- 3.2 When the soldering iron welding, the welding place at least 2 mm space from coating layer and the welding temperature should be lower than 360 °C, welding time < 3 ses
- 3.3 Storage temp: -10°C ~ 40°C; storage humidity : ≤75% RH;
- 3.4 Avoid air corrosion or sunlight
- 3.5 Remake sealed storage after package opening. The storage life is 1 year. Exceed storage period, can re-inspect per as the items stipulated in the standard. If it meets the requirements, it can still be used.

4. Certificate

- 4.1 Quality Management System ISO9001: 2015
- IATF16949: 2016
- 4.2 Environment Management System ISO14001:2015
- 4.3 Environment Test Report RoHS
- 4.4 CQC Safe Certification
- 4.5 TUV Certificate

5. Dimensions(mm)



D	L1	L2	F	T	d
Max6	Min25	Max2.5	2.5±0.5	Max4	0.45±0.05

R25=47KΩ

B25/50=4300K

T	R	T	R	T	R	T	R	T	R	T	R
-30	966.79	-4	210.972	22	54.1	48	17.134	74	5.796	100	2.35
-29	904.939	-3	199.386	23	51.604	49	16.424	75	5.566	101	2.18
-28	848.688	-2	188.475	24	49.24	50	15.744	76	5.346	102	2.118
-27	797.197	-1	178.203	25	47	51	15.093	77	5.136	103	2.059
-26	749.795	0	166.38	26	44.875	52	14.469	78	4.935	104	2.003
-25	705.939	1	159.434	27	42.86	53	13.872	79	4.743	105	1.95
-24	665.191	2	150.87	28	40.947	54	13.3	80	4.56	106	1.901
-23	627.192	3	142.811	29	39.131	55	12.752	81	4.384	107	1.854
-22	591.649	4	135.228	30	37.405	56	12.228	82	4.217	108	1.809
-21	558.319	5	128.092	31	35.764	57	11.725	83	4.057	109	1.768
-20	527.001	6	121.376	32	34.204	58	11.243	84	3.905	110	1.729
-19	497.529	7	115.056	33	32.719	59	10.782	85	3.76	111	1.692
-18	469.758	8	109.106	34	31.305	60	10.34	86	3.621	112	1.658
-17	443.567	9	103.504	35	29.958	61	9.916	87	3.488	113	1.627
-16	418.851	10	98.229	36	28.675	62	9.51	88	3.362	114	1.597
-15	395.518	11	93.261	37	27.451	63	9.122	89	3.242	115	1.57
-14	373.486	12	88.58	38	26.284	64	8.749	90	3.127	116	1.545
-13	352.681	13	84.168	39	25.17	65	8.393	91	3.018	117	1.522
-12	333.036	14	80.008	40	24.107	66	8.051	92	2.914	118	1.501
-11	314.489	15	76.084	41	23.092	67	7.724	93	2.815	119	1.482
-10	296.983	16	72.383	42	22.122	68	7.411	94	2.721	120	1.465
-9	280.463	17	68.888	43	21.195	69	7.111	95	2.631	121	1.45
-8	264.88	18	65.588	44	20.309	70	6.825	96	2.546	122	1.437
-7	250.184	19	62.471	45	19.461	71	6.55	97	2.465	123	1.426
-6	236.33	20	59.524	46	18.651	72	6.287	98	2.388	124	1.417
-5	223.274	21	56.737	47	17.876	73	6.036	99	2.315	125	1.41

