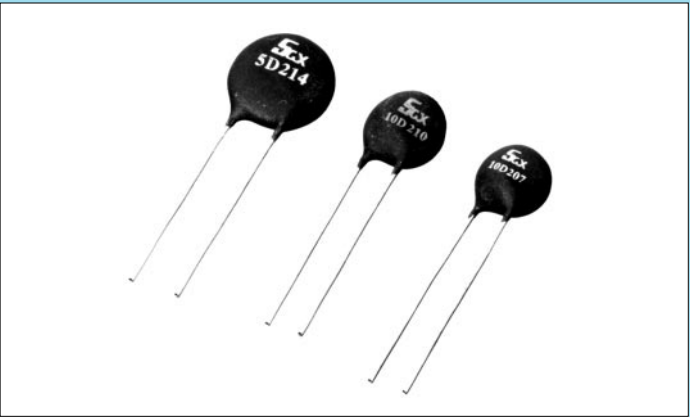


POWER

THERMISTOR

D2

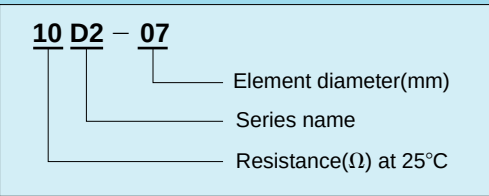


Specifications

Type No.	R ₂₅ ^{★1}	Dissipation factor	Thermal time ^{★2} constant	Rating current at 25°C	Residual ^{★3} resistance	Rating temp °C
	Ω	mW/°C	s	A	Ω	
5D2-07	5.0	(30)	(35)	3.0	0.41	-40~160
8D2-07	8.0		(41)	2.0	0.66	
10D2-07	10.0		(45)	2.0	0.82	
16D2-07	16.0		(45)	2.0	1.32	
22D2-07	22.0		(50)	1.0	1.81	
2D2-10	2.0	(32)	(50)	5.0	0.16	
3D2-10	3.0		(53)	4.0	0.25	
5D2-10	5.0		(53)	4.0	0.41	
8D2-10	8.0		(70)	3.0	0.66	
10D2-10	10.0		(75)	3.0	0.82	
2D2-14	2.0	(36)	(90)	5.0	0.16	
3D2-14	3.0		(80)	5.0	0.25	
4D2-14	4.0		(95)	5.0	0.33	
5D2-14	5.0		(110)	4.0	0.41	

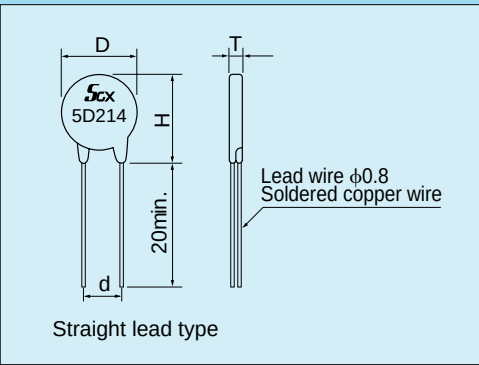
★1 R₂₅: Rated zero-power resistance value at 25°C.
★2 Time when thermistor temperature reaches 63.2% of the temperature difference. The value is measured in the air.
★3 Residual resistance is the maximum value when maximum rating current is applied.

Part number



●UL approved 
File No. E92669
Thermistor type devices

Dimensions



	D	T	H	d
D2-07	11.0max.	9.0max.	13.0max.	5.0±1
D2-10	13.0max.		17.0max.	
D2-14	17.0max.		21.0max.	7.5±1

POWER THERMISTOR D2

Resistance ratio

Temperature (°C)	Rmax.			Rst.	Rmin.		
	+20%	+15%	+10%		−10%	−15%	−20%
−40	17.0004	16.2921	15.5837	12.4869	9.9055	9.3552	8.8049
−35	13.1701	12.6213	12.0726	9.7918	7.8625	7.4257	6.9889
−30	10.3104	9.8808	9.4512	7.7556	6.3005	5.9505	5.6005
−25	8.1517	7.8120	7.4724	6.2008	5.0941	4.8111	4.5281
−20	6.5051	6.2340	5.9630	5.0017	4.1534	3.9226	3.6919
−15	5.2366	5.0164	4.8002	4.0682	3.4133	3.2236	3.0340
−10	4.2504	4.0733	3.8962	3.3350	2.8280	2.6690	2.5120
−5	3.4768	3.3320	3.1871	2.7543	2.3554	2.2255	2.0948
0	2.8651	2.7457	2.6263	2.2906	1.9779	1.8680	1.7581
5	2.3774	2.2784	2.1793	1.9177	1.6707	1.5779	1.4850
10	1.9858	1.9031	1.8204	1.6157	1.4196	1.3408	1.2619
15	1.6691	1.5996	1.5300	1.3693	1.2131	1.1457	1.0783
20	1.4113	1.3525	1.2937	1.1670	1.0422	0.9843	0.9264
25	1.2000	1.1500	1.1000	1.0000	0.9000	0.8500	0.8000
30	1.0413	0.9979	0.9545	0.8613	0.7694	0.7266	0.6839
35	0.9077	0.8699	0.8320	0.7454	0.6610	0.6243	0.5876
40	0.7947	0.7616	0.7285	0.6481	0.5707	0.5390	0.5073
45	0.6987	0.6690	0.6405	0.5659	0.4950	0.4675	0.4400
50	0.6168	0.5911	0.5654	0.4963	0.4313	0.4073	0.3834
55	0.5465	0.5237	0.5010	0.4370	0.3773	0.3564	0.3354
60	0.4860	0.4658	0.4455	0.3862	0.3314	0.3130	0.2946
65	0.4337	0.4157	0.3976	0.3426	0.2923	0.2760	0.2598
70	0.3883	0.3722	0.3580	0.3050	0.2588	0.2443	0.2299
75	0.3488	0.3343	0.3197	0.2724	0.2297	0.2169	0.2042
80	0.3143	0.3012	0.2881	0.2441	0.2047	0.1933	0.1819
85	0.2840	0.2721	0.2603	0.2193	0.1830	0.1728	0.1627
90	0.2573	0.2466	0.2359	0.1977	0.1641	0.1550	0.1459
95	0.2338	0.2240	0.2143	0.1767	0.1476	0.1394	0.1312
100	0.2129	0.2041	0.1952	0.1620	0.1331	0.1257	0.1183
105	0.1944	0.1863	0.1782	0.1472	0.1204	0.1137	0.1070
110	0.1780	0.1705	0.1631	0.1341	0.1092	0.1031	0.0970
115	0.1633	0.1564	0.1498	0.1225	0.0992	0.0937	0.0882
120	0.1501	0.1438	0.1376	0.1121	0.0904	0.0854	0.0804
125	0.1383	0.1325	0.1268	0.1029	0.0828	0.0780	0.0734
130	0.1277	0.1223	0.1170	0.0946	0.0758	0.0714	0.0672
135	0.1184	0.1132	0.1083	0.0871	0.0694	0.0655	0.0617
140	0.1094	0.1049	0.1003	0.0804	0.0638	0.0603	0.0567
145	0.1016	0.0974	0.0931	0.0744	0.0588	0.0556	0.0522
150	0.0945	0.0908	0.0866	0.0689	0.0542	0.0512	0.0482
155	0.0881	0.0844	0.0807	0.0640	0.0502	0.0474	0.0446
160	0.0822	0.0787	0.0753	0.0595	0.0465	0.0439	0.0413

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