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Surge Protective Devices (SPDs) : C Type(25D)

1. Features

- (a) Epoxy resin coating
- (b) High peak surge current, 8/20μs, 20kA
- (c) Strap terminal
- (d) Approved to UL1449(6kV/3kA), and engineered confidently to assist equipment to meet UL1449 with 20kV/10kA requirements.

2. Applications

- (a) Protection of Communication against lightning
- (b) Industrial Power distributors
- (c) Railway, Highway and Air-signal
- (d) Building Power distributors input against lightning

3. Agency Approvals

Agency	Agency Approvals	Certificate No.
	UL1449	E316325

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4. Device Ratings and Characteristics

Part Number	Maximum Continuous Voltage		Varistor Voltage (@1mA)			Maximum Clamping Voltage @Test Current (@8/20μs)		Maximum Energy (@10/1000μs)	Maximum Peak Current (@8/20μs)		Rated Power	Typical Capacitance (@1KHz)	UL1449 In @8/20μs
	ACrms(V)	DC(V)	Vn(Vdc)	Min.	Max.	Vc(V)	Ip(A)	(J)	1 time (A)	15 times (A)	(W)	(pF)	(kA)
25D130	130	170	180	200	220	340	150	125	20000	10000	1.0	5200	5
25D140	140	180	198	220	242	360	150	130	20000	10000	1.0	4700	5
25D150	150	200	216	240	264	395	150	145	20000	10000	1.0	4400	5
25D175	175	225	243	270	297	455	150	170	20000	10000	1.0	4000	5
25D195	195	250	270	300	330	500	150	175	20000	10000	1.0	3800	5
25D210	210	275	297	330	363	550	150	180	20000	10000	1.0	3000	5
25D230	230	300	324	360	396	595	150	190	20000	10000	1.0	2600	5
25D250	250	320	351	390	429	650	150	210	20000	10000	1.0	2500	5
25D275	275	350	387	430	473	710	150	220	20000	10000	1.0	2200	5
25D300	300	385	423	470	517	775	150	225	20000	10000	1.0	2100	5
25D320	320	410	459	510	561	845	150	230	20000	10000	1.0	1900	5
25D345	345	460	504	560	616	915	150	235	20000	10000	1.0	1800	5
25D385	385	510	558	620	682	1020	150	240	20000	10000	1.0	1700	5
25D420	420	560	612	680	748	1120	150	250	20000	10000	1.0	1600	5
25D460	465	615	675	750	825	1235	150	275	20000	10000	1.0	1500	5
25D485	485	640	702	780	858	1290	150	290	20000	10000	1.0	1300	5
25D510	510	670	738	820	902	1355	150	300	20000	10000	1.0	1200	5
25D550	550	745	819	910	1001	1500	150	340	20000	10000	1.0	1100	5
25D625	625	825	900	1000	1100	1650	150	375	20000	10000	1.0	990	5
25D680	680	895	990	1100	1210	1815	150	390	20000	10000	1.0	920	5

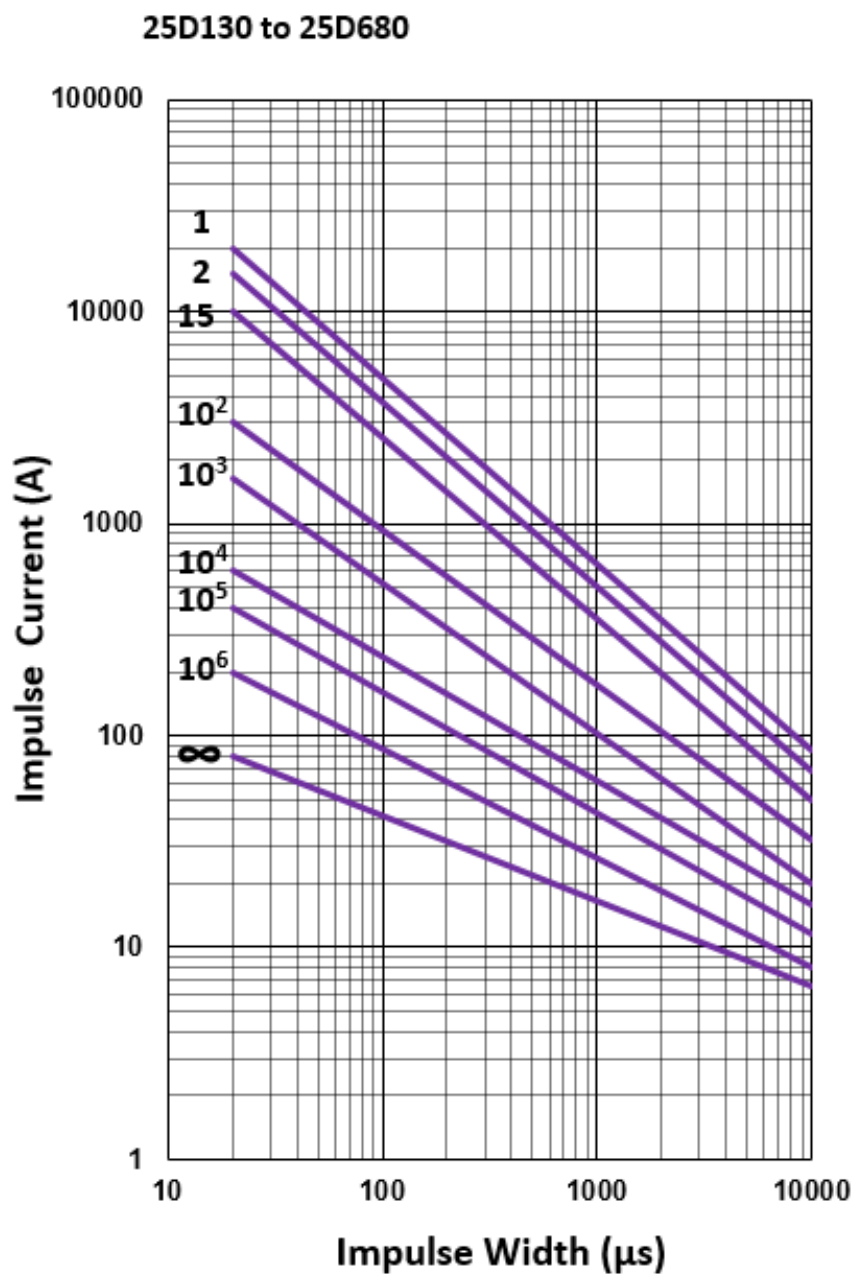
*: May CP, CL, CC.

NOTE : Specification subject to change without notice.

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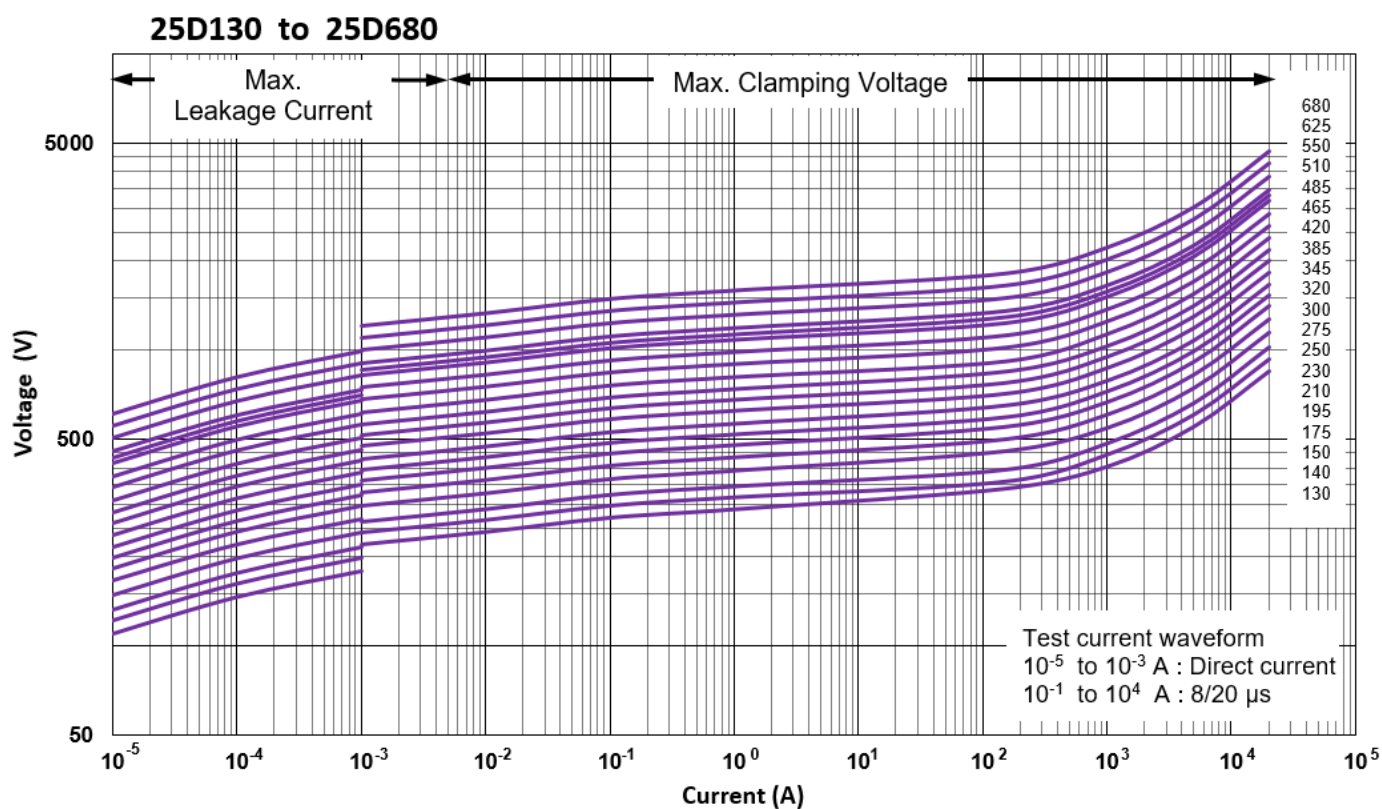


5. Impulse Life Time Rating Curves



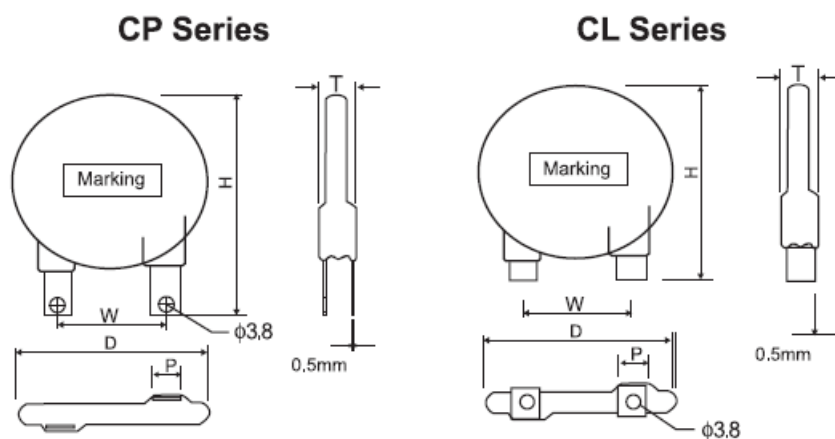


6. V-I Curves



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7. Dimension (Unit: mm)

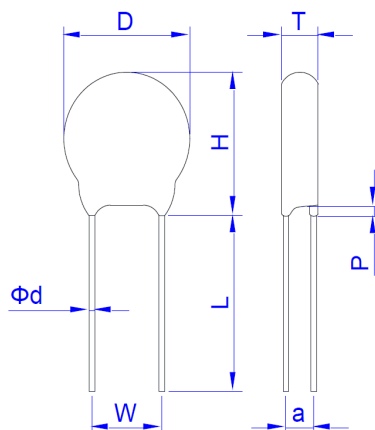


Part	D	H	W	P	T
Number	Max.	Max.	±1.0	±0.2	Max.
25D130	30.0	45.0	20.0	7.0	9.0
25D140	30.0	45.0	20.0	7.0	9.0
25D150	30.0	45.0	20.0	7.0	9.2
25D175	30.0	45.0	20.0	7.0	9.5
25D195	30.0	45.0	20.0	7.0	9.5
25D210	30.0	45.0	20.0	7.0	9.7
25D230	30.0	45.0	20.0	7.0	9.7
25D250	30.0	45.0	20.0	7.0	10.3
25D275	30.0	45.0	20.0	7.0	10.6
25D300	30.0	45.0	20.0	7.0	10.6
25D320	30.0	45.0	20.0	7.0	11.2
25D345	30.0	45.0	20.0	7.0	11.2
25D385	30.0	45.0	20.0	7.0	11.6
25D420	30.0	45.0	20.0	7.0	11.6
25D460	30.0	45.0	20.0	7.0	11.8
25D485	30.0	45.0	20.0	7.0	11.8
25D510	30.0	45.0	20.0	7.0	11.8
25D550	30.0	45.0	20.0	7.0	12.0
25D625	30.0	45.0	20.0	7.0	12.6
25D680	30.0	45.0	20.0	7.0	13.2

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CC Series



Part Number	D	H	W	d	P	L	T
	Max.	Max.	±1.0	±0.5	Max.	Min.	Max.
25D130	29.0	32.0	15/10	1.5	5.0	10.0	9.0
25D140	29.0	32.0	15/10	1.5	5.0	10.0	9.0
25D150	29.0	32.0	15/10	1.5	5.0	10.0	9.2
25D175	29.0	32.0	15/10	1.5	5.0	10.0	9.5
25D195	29.0	32.0	15/10	1.5	5.0	10.0	9.5
25D210	29.0	32.0	15/10	1.5	5.0	10.0	9.7
25D230	29.0	32.0	15/10	1.5	5.0	10.0	9.7
25D250	29.0	32.0	15/10	1.5	5.0	10.0	10.3
25D275	29.0	32.0	15/10	1.5	5.0	10.0	10.6
25D300	29.0	32.0	15/10	1.5	5.0	10.0	10.6
25D320	29.0	32.0	15/10	1.5	5.0	10.0	11.2
25D345	29.0	32.0	15/10	1.5	5.0	10.0	11.2
25D385	29.0	32.0	15/10	1.5	5.0	10.0	11.6
25D420	29.0	32.0	15/10	1.5	5.0	10.0	11.6
25D460	29.0	32.0	15/10	1.5	5.0	10.0	11.8
25D485	29.0	32.0	15/10	1.5	5.0	10.0	11.8
25D510	29.0	32.0	15/10	1.5	5.0	10.0	11.8
25D550	29.0	32.0	15/10	1.5	5.0	10.0	12.0
25D625	29.0	32.0	15/10	1.5	5.0	10.0	12.6
25D680	29.0	32.0	15/10	1.5	5.0	10.0	13.2

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8. Explanations of Part Numbers:

25		D		385		C		L	
Nominal Disc Diameter		Disc Shape		Max Allowable AC Voltage		Enclosure		Tab Style	
20	20mm	D	Disc	35	35Vac	C	Epoxy	P	Planet
22	22mm			130	130Vac			L	L Shape
25	25mm			385	385Vac			C	Radial
32	32mm			680	680Vac				
40	40mm			1000	1000Vac				
53	53mm								