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Surge Protective Devices (FSPD) : CC Type(25D)

1. Features

- (a) Epoxy resin coating
- (b) High peak surge current, 8/20 μ s, 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 lighting
- (b) Industrial Power distributors
- (c) Railway, Highway and Air-signal
- (d) Building Power distributors input against lighting

3. Agency Approvals

Agency	Agency Approvals	Certificate No.
	UL1449	In Process

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4. Device Ratings and Characteristics

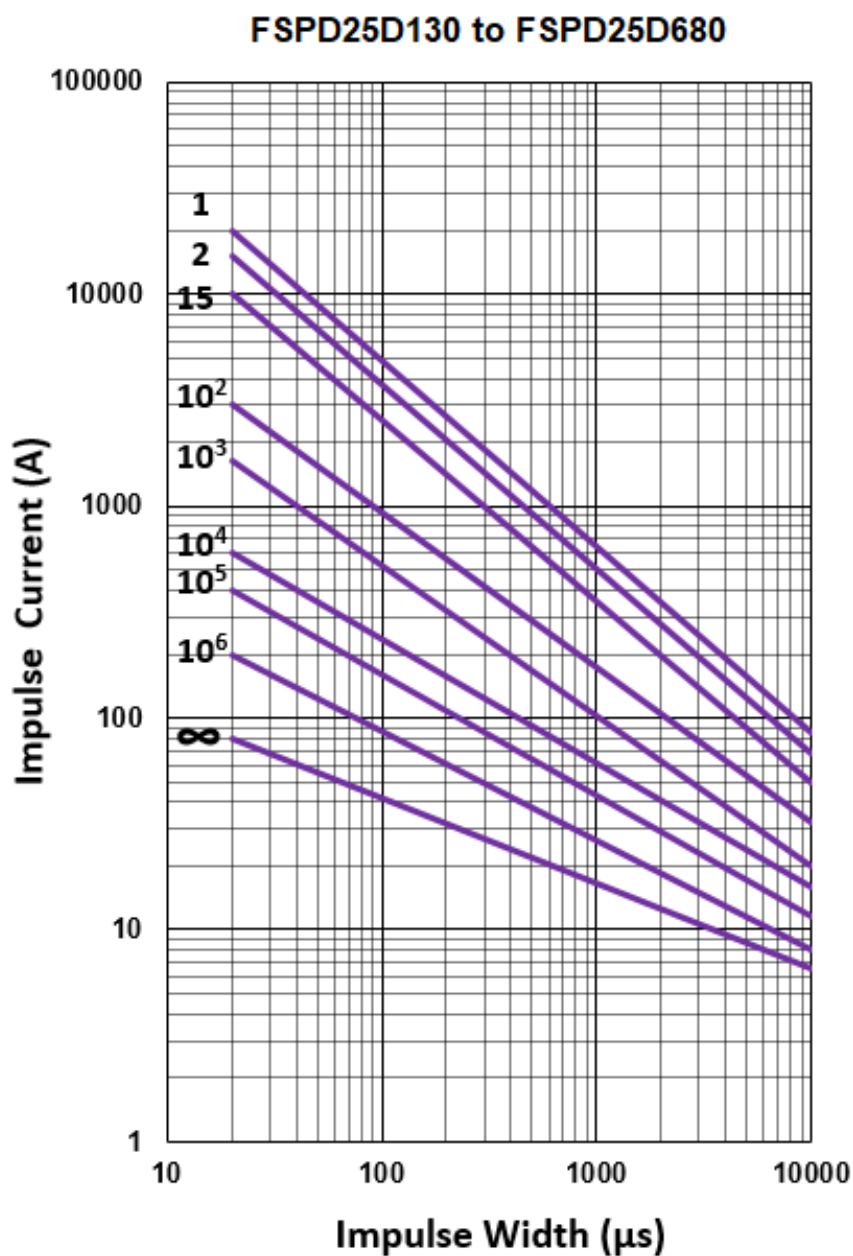
Part Number	Maximum Continuous Voltage		Varistor Voltage (@1mA)			Maximum Clamping Voltage @Test Current (@8/20μs)		Maximum Energy (@10/1000μs)	Maximum Peak Current (@8/20μs)		Rated Power	Typical Capacitance (@1KHz)	UL1449 In @8/20μs
	ACrms (V)	DC (V)	Vn (Vdc)	Min.	Max.	Vc(V)	Ip(A)	(J)	1 time (A)	15 times (A)	(W)	(pF)	(kA)
FSPD25D130CC	130	170	180	200	220	340	150	125	20000	10000	1.0	5200	5
FSPD25D140CC	140	180	198	220	242	360	150	130	20000	10000	1.0	4700	5
FSPD25D150CC	150	200	216	240	264	395	150	145	20000	10000	1.0	4400	5
FSPD25D175CC	175	225	243	270	297	455	150	170	20000	10000	1.0	4000	5
FSPD25D195CC	195	250	270	300	330	500	150	175	20000	10000	1.0	3800	5
FSPD25D210CC	210	275	297	330	363	550	150	180	20000	10000	1.0	3000	5
FSPD25D230CC	230	300	324	360	396	595	150	190	20000	10000	1.0	2600	5
FSPD25D250CC	250	320	351	390	429	650	150	210	20000	10000	1.0	2500	5
FSPD25D275CC	275	350	387	430	473	710	150	220	20000	10000	1.0	2200	5
FSPD25D300CC	300	385	423	470	517	775	150	225	20000	10000	1.0	2100	5
FSPD25D320CC	320	410	459	510	561	845	150	230	20000	10000	1.0	1900	5
FSPD25D345CC	345	460	504	560	616	915	150	235	20000	10000	1.0	1800	5
FSPD25D385CC	385	510	558	620	682	1020	150	240	20000	10000	1.0	1700	5
FSPD25D420CC	420	560	612	680	748	1120	150	250	20000	10000	1.0	1600	5
FSPD25D460CC	465	615	675	750	825	1235	150	275	20000	10000	1.0	1500	5
FSPD25D485CC	485	640	702	780	858	1290	150	290	20000	10000	1.0	1300	5
FSPD25D510CC	510	670	738	820	902	1355	150	300	20000	10000	1.0	1200	5
FSPD25D550CC	550	745	819	910	1001	1500	150	340	20000	10000	1.0	1100	5
FSPD25D625CC	625	825	900	1000	1100	1650	150	375	20000	10000	1.0	990	5
FSPD25D680CC	680	895	990	1100	1210	1815	150	390	20000	10000	1.0	920	5

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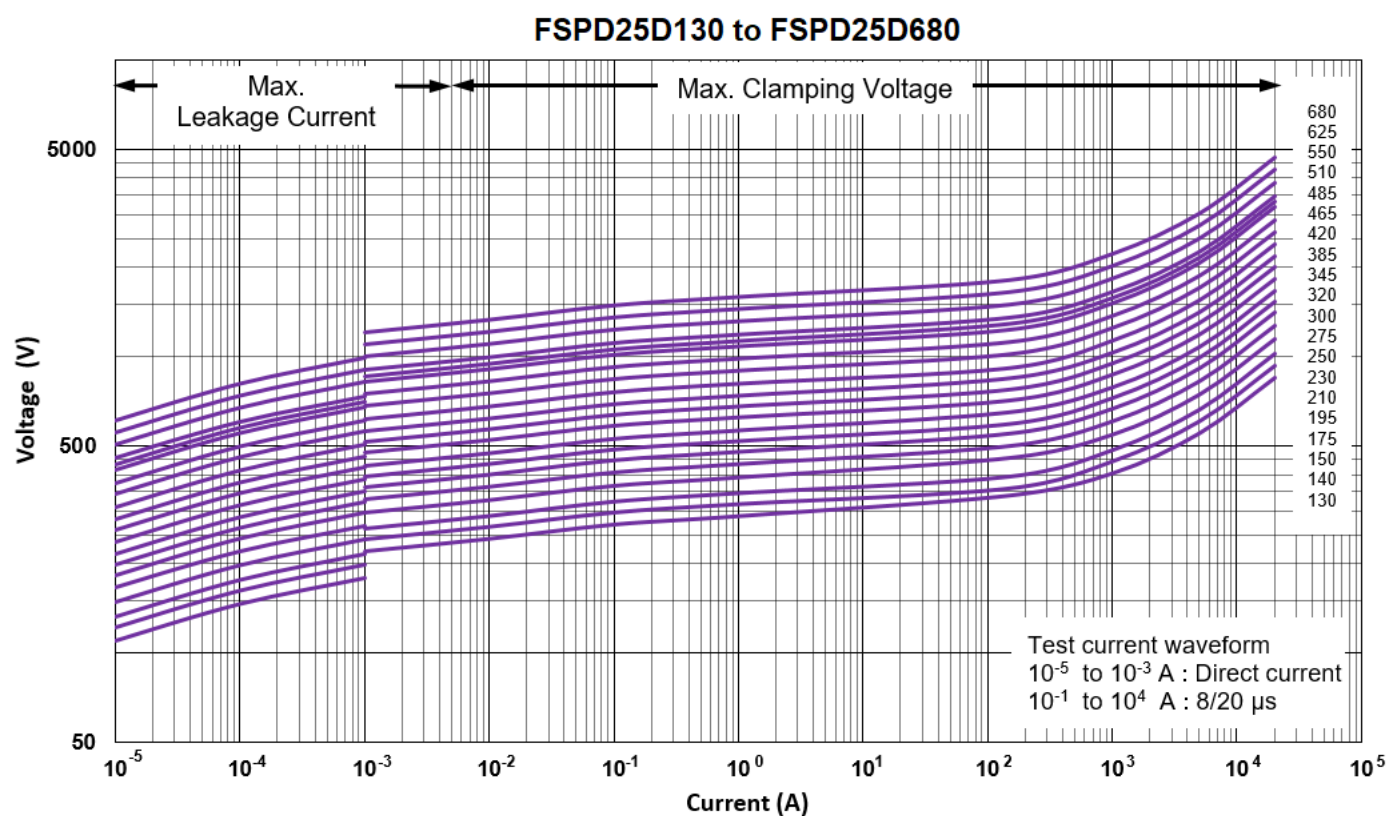


5. Impulse Life Time Rating Curves



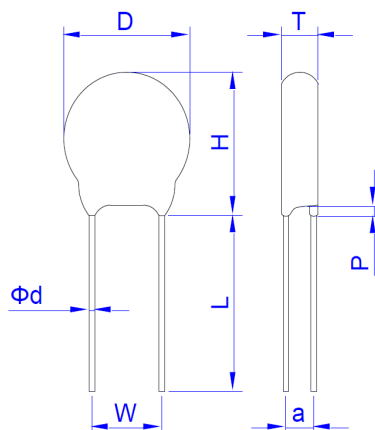


6. V-I Curves



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7. Dimension (Unit: mm)



Part Number	D	H	W	d	P	L	T
	Max.	Max.	±1.0	±0.5	Max.	Min.	Max.
FSPD25D130CC	29.0	32.0	15/10	1.5	5.0	10.0	9.0
FSPD25D140CC	29.0	32.0	15/10	1.5	5.0	10.0	9.0
FSPD25D150CC	29.0	32.0	15/10	1.5	5.0	10.0	9.2
FSPD25D175CC	29.0	32.0	15/10	1.5	5.0	10.0	9.5
FSPD25D195CC	29.0	32.0	15/10	1.5	5.0	10.0	9.5
FSPD25D210CC	29.0	32.0	15/10	1.5	5.0	10.0	9.7
FSPD25D230CC	29.0	32.0	15/10	1.5	5.0	10.0	9.7
FSPD25D250CC	29.0	32.0	15/10	1.5	5.0	10.0	10.3
FSPD25D275CC	29.0	32.0	15/10	1.5	5.0	10.0	10.6
FSPD25D300CC	29.0	32.0	15/10	1.5	5.0	10.0	10.6
FSPD25D320CC	29.0	32.0	15/10	1.5	5.0	10.0	11.2
FSPD25D345CC	29.0	32.0	15/10	1.5	5.0	10.0	11.2
FSPD25D385CC	29.0	32.0	15/10	1.5	5.0	10.0	11.6
FSPD25D420CC	29.0	32.0	15/10	1.5	5.0	10.0	11.6
FSPD25D460CC	29.0	32.0	15/10	1.5	5.0	10.0	11.8
FSPD25D485CC	29.0	32.0	15/10	1.5	5.0	10.0	11.8
FSPD25D510CC	29.0	32.0	15/10	1.5	5.0	10.0	11.8
FSPD25D550CC	29.0	32.0	15/10	1.5	5.0	10.0	12.0
FSPD25D625CC	29.0	32.0	15/10	1.5	5.0	10.0	12.6
FSPD25D680CC	29.0	32.0	15/10	1.5	5.0	10.0	13.2

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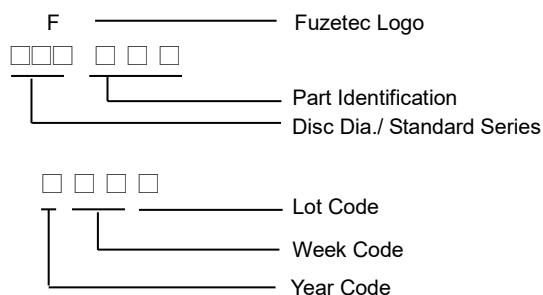
8. Part Numbering and Marking System:

FSPD	25	D	385	C	C
Common Code	Nominal Disc Diameter		Max Allowable AC Voltage		Enclosure
Fuzetec Surge Protective Device	20	20mm	35	35Vac	C
	22	22mm	130	130Vac	Epoxy
	25	25mm	385	385Vac	
	32	32mm	680	680Vac	
	40	40mm	1000	1000Vac	
	53	53mm			
		Disc Shape			Tab Style
		D			C
		Disc			Radial

Marking System



Example



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