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Surge Protective Devices (SPDs) : CP/CL Type(40LS)

1. Features

- (a) Epoxy resin coating
- (b) High peak surge current, 8/20 μ s, 10~40kA
- (c) Strap terminal
- (d) Approved to UL1449

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	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 (@2ms)	Maximum Peak Current (@8/20μs)	Rated Power	Typical Capacitance (@1KHz)
	ACrms(V)	DC(V)	Vn(Vdc)	Min.	Max.	Vc(V)	Ip(A)	(J)	(A)	(W)	(pF)
40LS035	35	45	56	50	62	110	60	18.4	10000	0.4	7500
40LS040	40	56	68	61	75	135	60	22.3	10000	0.4	7000
40LS050	50	65	82	74	90	135	300	75.3	30000	1.4	6900
40LS060	60	85	100	90	110	165	300	122.6	40000	1.4	6500
40LS075	75	100	120	108	132	200	300	147.2	40000	1.4	6100
40LS095	95	125	150	135	165	250	300	184.0	40000	1.4	5800
40LS115	115	150	180	162	198	300	300	220.7	40000	1.4	5500
40LS130	130	170	205	185	225	340	300	310	40000	1.4	5800
40LS140	140	180	220	198	242	360	300	330	40000	1.4	4000
40LS150	150	200	240	216	264	395	300	360	40000	1.4	2400
40LS175	175	225	275	247	303	455	300	400	40000	1.4	2100
40LS195	195	250	300	270	330	505	300	410	40000	1.4	2000
40LS210	210	275	330	297	363	550	300	430	40000	1.4	1600
40LS230	230	300	360	324	396	595	300	460	40000	1.4	1400
40LS250	250	320	390	351	429	650	300	490	40000	1.4	1400
40LS275	275	350	430	387	473	710	300	550	40000	1.4	1200
40LS300	300	385	470	423	517	775	300	600	40000	1.4	1100
40LS320	320	410	510	459	561	845	300	640	40000	1.4	1000
40LS345	345	460	560	504	616	925	300	700	40000	1.4	980
40LS385	385	510	620	558	682	1025	300	800	40000	1.4	900
40LS420	420	560	680	612	748	1120	300	910	40000	1.4	830
40LS460	465	615	750	675	825	1240	300	920	40000	1.4	790
40LS485	485	640	780	702	858	1290	300	930	40000	1.4	720
40LS510	510	670	820	738	902	1355	300	940	40000	1.4	640
40LS550	550	745	910	819	1001	1500	300	960	40000	1.4	570
40LS625	625	825	1000	900	1100	1650	300	1050	40000	1.4	530
40LS680	680	895	1100	990	1210	1815	300	1100	40000	1.4	490
40LS750	750	985	1200	1020	1320	1980	300		40000	1.4	850
40LS1000	1000	1465	1800	1620	1980	2970	300		30000	1.4	850

*: May CP, CL.

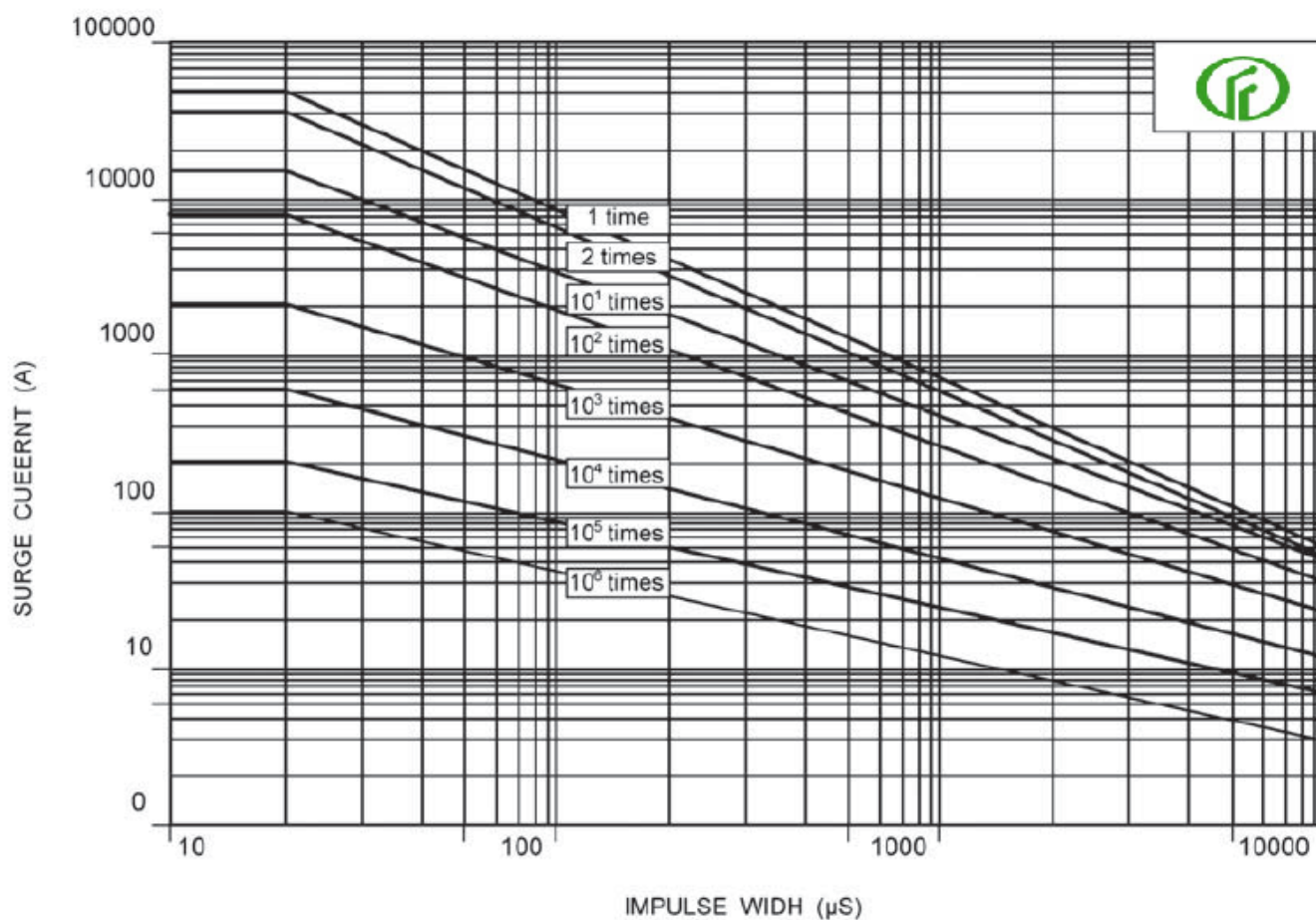
NOTE : Specification subject to change without notice.

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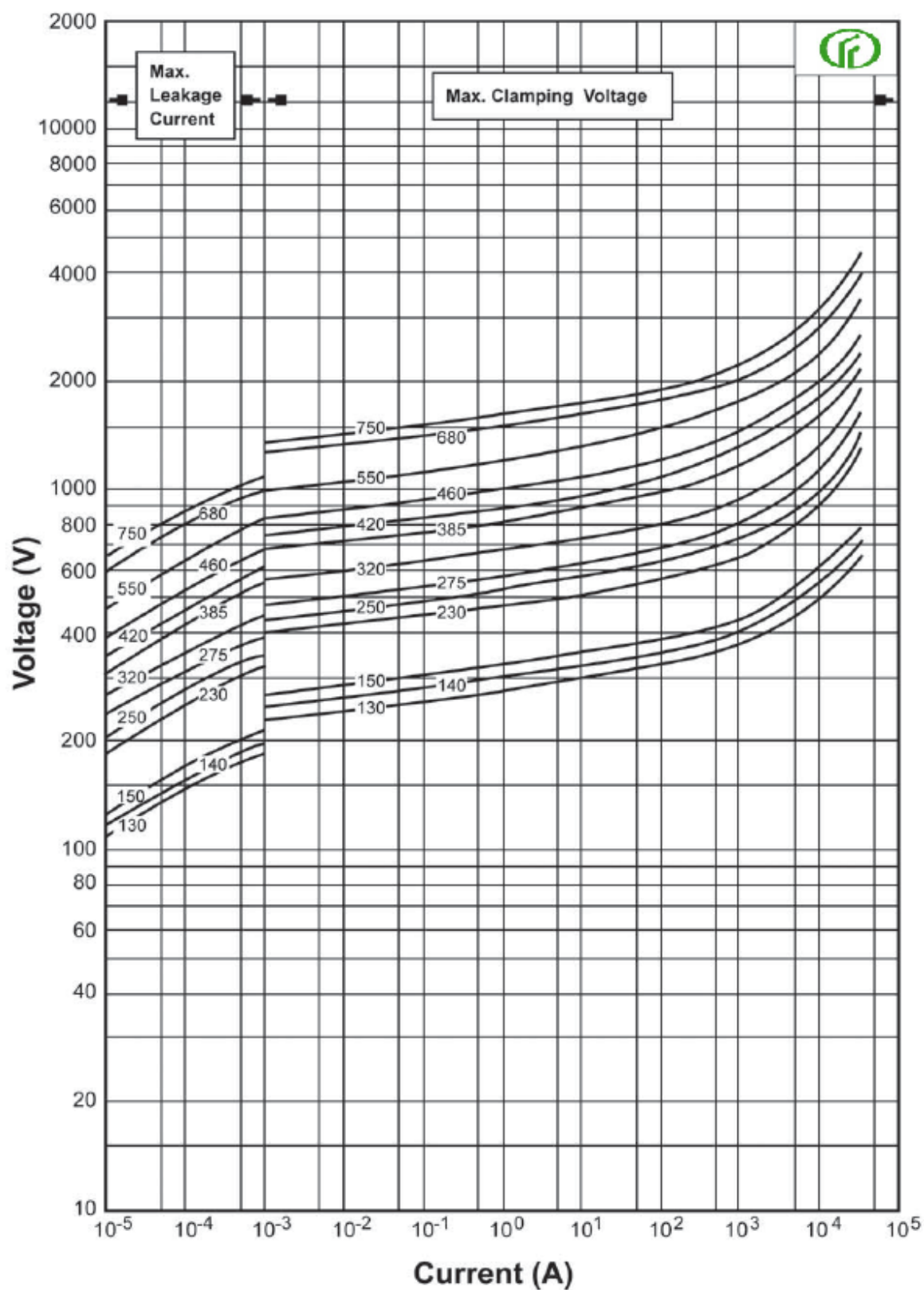
5. Impulse Life Time Rating Curves

2times : 5minutes interval
up to 10 times : 2minutes interval
up to 10^6 times : 10 seconds interval





6. V-I Curves

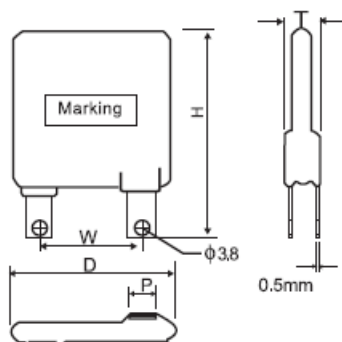


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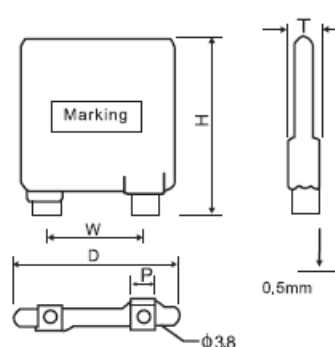
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7. LSimension (Unit: mm)

40LS CP Series



40LS CL Series



Part Number	D	H	W	P	T
	Max.	Max.	±1.0	±0.2	Max.
40LS035	40.0	56.0	25.4	7.0	9.0
40LS040	40.0	56.0	25.4	7.0	9.0
40LS050	40.0	56.0	25.4	7.0	9.0
40LS060	40.0	56.0	25.4	7.0	9.0
40LS075	40.0	56.0	25.4	7.0	9.0
40LS095	40.0	56.0	25.4	7.0	9.0
40LS115	40.0	56.0	25.4	7.0	9.0
40LS130	40.0	56.0	25.4	7.0	9.0
40LS140	40.0	56.0	25.4	7.0	9.0
40LS150	40.0	56.0	25.4	7.0	9.2
40LS175	40.0	56.0	25.4	7.0	9.5
40LS195	40.0	56.0	25.4	7.0	9.5
40LS210	40.0	56.0	25.4	7.0	9.7
40LS230	40.0	56.0	25.4	7.0	9.7
40LS250	40.0	56.0	25.4	7.0	10.3
40LS275	40.0	56.0	25.4	7.0	10.6
40LS300	40.0	56.0	25.4	7.0	10.6
40LS320	40.0	56.0	25.4	7.0	11.2
40LS345	40.0	56.0	25.4	7.0	11.2
40LS385	40.0	56.0	25.4	7.0	11.6
40LS420	40.0	56.0	25.4	7.0	11.6
40LS460	40.0	56.0	25.4	7.0	11.8
40LS485	40.0	56.0	25.4	7.0	11.8
40LS510	40.0	56.0	25.4	7.0	11.8
40LS550	40.0	56.0	25.4	7.0	12.0
40LS625	40.0	56.0	25.4	7.0	12.6
40LS680	40.0	56.0	25.4	7.0	13.2
40LS750	40.0	56.0	25.4	7.0	13.5
40LS1000	40.0	56.0	25.4	7.0	15.0

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8. Explanations of Part Numbers:

40	LS	385	C	P	
Nominal Disc Diameter	Disc Shape	Max Allowable AC Voltage	Enclosure	Tab Style	
	LS Square		C Epoxy	P Planet	
	35			35Vac	L L Shape
	130			130Vac	
385	385Vac				
680	680Vac				
1000	1000Vac				