



TRANSIENT/SURGE ABSORBER TRANSIENT VOLTAGE SURGE SUPPRESSORS

SPECIFICATIONS:

Varistor Voltage Range: 18V to 1800V DC

Peak Current for 8/20 μ s Current Wave: 100 to 6500A

Energy Range for 10/100 μ s Current Wave: 0.4 to 625 Joule

Storage Temperature Range: -40 to 125°C

Operation Ambient Temperature Range: -40 to 85°C

Typical Response Time: < 25ns

Insulation Resistance: > 1000 M Ω

Approved Standards:

Standard No.	UL 1414	UL 1449	CSA
File No.	E165143	E150709	LR109736-1
Symbol	A	B	C

Products Ratings and Characteristics: (Note: 05D series varistor voltage test current by 0.1mA dc)

P/N	Max. Allowable Voltage		Varistor Voltage (@1mA)			Clamping Voltage @ Test Current (8/20 μ s)		Max. Energy (J)	Max. Peak Current (8/20 μ s) (A)	Rated Power (W)	Typical Cap. @1KHz (pF)	Standards Approval (symbol)
	AC rms (V)	DC (V)	Min.	Vb (Vdc)	Max.	Vc (V)	Ip (A)					
05D180K	11	14	14.4	18	21.6	44	1	0.4	100	0.01	1600	B
07D180K						42	2.5	0.9	250	0.02	3800	B
10D180K						39	5	2.1	500	0.05	16000	B
14D180K						39	10	4.0	1000	0.10	25000	B
20D180K						39	20	11.0	2000	0.20	40000	B
05D220K	14	18	18.7	22	26.0	51	1	0.5	100	0.01	1500	B
07D220K						47	2.5	1.1	250	0.02	3600	B
10D220K						43	5	2.5	500	0.05	11000	B
14D220K						43	10	5.0	1000	0.10	20000	B
20D220K						43	20	14	2000	0.20	30000	B
05D270K	17	22	23.0	27	31.1	60	1	0.6	100	0.01	1450	B
07D270K						53	2.5	1.4	250	0.02	3400	B
10D270K						53	5	3.0	500	0.05	8000	B
14D270K						53	10	6.0	1000	0.10	16000	B
20D270K						53	20	18.0	2000	0.20	24500	B
05D330K	20	26	29.5	33	36.5	73	1	0.8	100	0.01	1400	B
07D330K						65	2.5	1.7	250	0.02	2900	B
10D330K						65	5	4.0	500	0.05	6300	B
14D330K						65	10	7.5	1000	0.10	12200	B
20D330K						65	20	23.0	2000	0.20	20000	B
05D390K	25	31	35	39	46	86	1	0.9	100	0.01	700	B
07D390K					43	77	2.5	2.1	250	0.02	1600	B
10D390K					43	77	5	4.6	500	0.05	5200	B
14D390K					43	77	10	8.6	1000	0.10	7000	B
20D390K					43	77	20	26.0	2000	0.20	13800	B