



# TRANSIENT/SURGE ABSORBER TRANSIENT VOLTAGE SURGE SUPPRESSORS

## 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 $\mu$ s)		Max. Energy (J)	Max. Peak Current (8/20 $\mu$ s)	Rated Power	Typical Cap. @1KHz	Standards Approval (symbol)
	AC rms(V)	DC (V)	Min.	Vb (Vdc)	Max.	Vc (V)	Ip (A)	10/1000 $\mu$ s	(A)	(W)	( $\mu$ F)	
05D391K	250	320	351	390	429	675	5	12.0	400	0.10	80	ABCD
07D391K						650	10	25.0	1200	0.25	160	ABCD
10D391K						650	25	60.0	2500	0.40	430	ABCD
14D391K						650	50	100.0	4500	0.60	800	ABCD
20D391K						650	100	180.0	6500	1.00	1400	ABCD
05D431K	275	350	387	430	473	745	5	13.0	400	0.10	70	ABCD
07D431K						710	10	28.0	1200	0.25	150	ABCD
10D431K						710	25	65.0	2500	0.40	400	ABCD
14D431K						710	50	115.0	4500	0.60	650	ABCD
20D431K						710	100	190.0	6500	1.00	1350	ABCD
05D471K	300	385	423	470	517	810	5	15.0	400	0.10	70	ABCD
07D471K						775	10	30.0	1200	0.25	130	ABCD
10D471K						775	25	70.0	2500	0.40	300	ABCD
14D471K						775	50	125.0	4500	0.60	550	ABCD
20D471K						775	100	220.0	6500	1.00	1200	ABCD
05D511K	320	410	459	510	561	880	5	15.0	400	0.10	65	ABCD
07D511K						845	10	30.0	1200	0.25	120	ABCD
10D511K						845	25	70.0	2500	0.40	260	ABCD
14D511K						845	50	125.0	4500	0.60	450	ABCD
20D511K						845	100	220.0	6500	1.00	1050	ABCD
05D561K	350	460	504	560	616	940	5	15.0	400	0.10	65	ABCD
07D561K						915	10	30.0	1200	0.25	120	ABCD
10D561K						915	25	70.0	2500	0.40	200	ABCD
14D561K						915	50	125.0	4500	0.60	400	ABCD
20D561K						915	100	220.0	6500	1.00	850	ABCD
05D621K	385	505	558	620	682	1050	5	15.0	400	0.10	65	ABCD
07D621K						1025	10	30.0	1200	0.25	120	ABCD
10D621K						1025	25	70.0	2500	0.40	170	ABCD
14D621K						1025	50	125.0	4500	0.60	350	ABCD
20D621K						1025	100	220.0	6500	1.00	570	ABCD
05D681K	420	560	612	680	748	1150	5	15.0	400	0.10	60	CD
07D681K						1120	10	30.0	1200	0.25	110	ABCD
10D681K						1120	25	70.0	2500	0.40	160	ABCD
14D681K						1120	50	130.0	4500	0.60	350	ABCD
20D681K						1120	100	230.0	6500	1.00	550	ABCD

### Approved Standards:

Standard No.	UL 1414	UL 1449 (2 <sup>nd</sup> Edition)	CSA	VDE
File No.	E165143	E150709	LR109736-1	21557-4790-0001
Symbol	A	B	C	D