

S P E C I F I C A T I O N S

Part Number	Disc Size mm	Rated Voltage		Rated Single Pulse Transient Energy (Joules)			Transient		Varistor Voltage (1mADC) Tolerance			Max Clamping Voltage at Current		Typical Capacitance f = 1kHz (pF)
		RMS	DC	8/20 μs	10/1000 μs	2 ms	Average Power Dissipation (Watts)	Peak at Current 8/20 μs (Amps)	V nom (Volts)	Min Max (Volts) (Volts)		8/20 μs (Volts)	(Amps)	
		Vacm (Volts)	Vdcm (Volts)							V nom	Min			
SVC080D-05B	5			0.05	0.2	0.2	0.1	50				22	1	2000
SVC080D-07B	7	4	5.5	0.1	0.4	0.4	0.25	125				20	2.5	5000
SVC080D-10B	10			0.2	0.8	0.8	0.4	250				20	5	9500
SVC120D-05B	5			0.07	0.3	0.3	0.1	50				32	1	1500
SVC120D-07B	7	6	8	0.15	0.6	0.6	0.25	125	12	9	16	30	2.5	3500
SVC120D-10B	10			0.25	1.2	1.2	0.4	250				30	5	9500
SVC180D-05B	5			0.15	0.3	0.3	0.1	100				40	1	1000
SVC180D-07B	7			0.4	0.8	0.8	0.25	250				36	2.5	2300
SVC180D-10B	10	11	14	0.8	1.5	1.5	0.4	500	18	15	20	36	5	5500
SVC180D-14B	14			1.6	3.5	3.5	0.6	1000				36	10	9500
*SVC180D-20B(x)	20				80□	80□	1.0	2000				36	20	2800
SVC220D-05B	5			0.2	0.4	0.4	0.1	100				48	1	950
SVC220D-07B	7			0.5	0.9	0.9	0.25	250				43	2.5	2000
SVC220D-10B	10	14	**18	1	2	2	0.4	500	+22	20	24	43	5	4500
SVC220D-14B	14			2	4	4	0.6	1000				43	10	8000
*SVC220D-20B(x)	20				100□	100□	1.0	2000				43	20	22000
SVC270D-05B	5			0.25	0.5	0.5	0.1	100				60	1	930
SVC270D-07B	7			0.65	1	1	0.25	250				53	2.5	1800
SVC270D-10B	10	17	22	1.3	2.5	2.5	0.4	500	27	24	30	53	5	3500
SVC270D-14B	14			2.7	5	5	0.6	1000				53	10	6700
*SVC270D-20B(x)	20				120□	120□	1.0	2000				53	20	18000
SVC330D-05B	5			0.3	0.6	0.6	0.1	100				73	1	800
SVC330D-07B	7			0.8	1.2	1.2	0.25	250				65	2.5	1500
SVC330D-10B	10	20	27	1.6	3	3	0.4	500	33	30	36	65	5	3000
SVC330D-14B	14			3.4	6	6	0.6	1000				65	10	5800
*SVC330D-20B(x)	20				150□	150□	1.0	2000				65	20	16000
SVC390D-05B	5			0.3	0.8	0.8	0.1	100				86	1	600
SVC390D-07B	7			0.95	1.5	1.5	0.25	250				77	2.5	1300
SVC390D-10B	10	25	31	1.9	3.5	3.5	0.4	500	39	35	43	77	5	2500
SVC390D-14B	14			3.8	7.2	7	0.6	1000				77	10	5000
*SVC390D-20B(x)	20				24	24	1.0	2000				77	20	13000
SVC470D-05B	5			0.4	1	1	0.1	100				104	1	450
SVC470D-07B	7			1.1	1.8	1.8	0.25	250				93	2.5	1100
SVC470D-10B	10	30	38	2.3	4.5	4.5	0.4	500	47	42	52	93	5	2200
SVC470D-14B	14			4.5	8.8	8.5	0.6	1000				93	10	4000
*SVC470D-20B(x)	20				30	30	1.0	2000				93	20	11000
SVC560D-05B	5			0.45	1	1	0.1	100				123	1	350
SVC560D-07B	7			1.25	2.3	2.2	0.25	250				110	2.5	950
SVC560D-10B	10	35	45	2.8	5.5	5.5	0.4	500	56	50	62	110	5	1900
SVC560D-14B	14			5.5	10	10	0.6	1000				110	10	3800
*SVC560-20B(x)	20				35	35	1.0	2000				110	20	10000
SVC680D-05B	5			0.6	1.2	1.2	0.1	100				150	1	320
SVC680D-07B	7			1.6	3	2.5	0.25	250				135	2.5	850
SVC680D-10B	10	40	56	3.5	6.5	6.5	0.4	500	68	61	75	135	5	1600
SVC680D-14B	14			6.9	13	12	0.6	1000				135	10	3400
*SVC680D-20B(x)	20				40	40	1.0	2000				135	20	8000

□ Energy rating for impulse duration of 30ms min to 1/2 peak current value

\* (x) = 7.5 ± 1mm lead spacing

\*\*SVC220D-20B will withstand 24VDC for 5 min

+Varistor voltage measured at 10ma for 20mm diameter parts