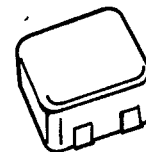


SURFACE-MOUNT VARISTORS SM SERIES

RATINGS AND CHARACTERISTICS TABLE:



SM8 (5 x 8mm)

(See page 9-30 for dimension drawing)

SM8 SERIES (Equivalent to 7mm Radial)

Model Number	Device Marking	Maximum Ratings (85°C)				Characteristics (25°C)							
		Continuous		Transient		Varistor Voltage @ 1mA DC Test Current			Maximum Clamping Voltage V _C @ Test Current (8/20μs)		Typical Capacitance	Reference Curves	
		RMS Voltage	DC Voltage	Energy (10/1000μs)	Peak Current (8/20μs)								
		V _{m(ac)}	V _{m(dc)}	W _{tm}	I _{tm}	Min.	V _{N(dc)}	Max.	V _C	I _P	f = 1 MHz	V-I ¹	Pulse
Volts	Volts	Joules	Amps	Volts	Volts	Volts	Volts	Amps	Picofarads	Page	Page		
V8SM8	8S	4	5.5	0.4	100	6	8.2	11	22	5	3000	9-38	9-49
V12SM8	12S	6	8	0.6	250	9	12	16	34	5	2500	9-38	9-49
V18SM8	18S	10	14	0.8	250	14.4	18	21.6	42	5	2000	9-38	9-49
V22SM8	22S	14	18‡	0.9	250	18.7	22	26	47	5	1600	9-38	9-49
V27SM8	27S	17	22	1.0	250	23	27	31.1	57	5	1300	9-38	9-49
V33SM8	33S	20	26	1.2	250	29.5	33	36.5	68	5	1100	9-38	9-49
V39SM8	39S	25	31	1.5	250	35	39	43	79	5	900	9-38	9-49
V47SM8	47S	30	38	1.8	250	42	47	52	92	5	800	9-38	9-49
V56SM8	56S	35	45	2.3	250	50	56	62	107	5	700	9-38	9-49
V68SM8	68S	40	56	3.0	250	61	68	75	127	5	600	9-38	9-49
V82SM8	82S	50	66	4.0	1200	74	82	91	135	10	500	9-38	9-49
V100SM8	100S	60	81	5.0	1200	90	100	110	165	10	400	9-38	9-49
V120SM8	120S	75	102	6.0	1200	108	120	132	205	10	300	9-38	9-49
V150SM8	150S	95	127	8.0	1200	135	150	165	250	10	250	9-38	9-49
V180SM8	180S	115	153	10.0	1200	162	180	198	295	10	200	9-38	9-49
V200SM8	200S	130	175	11.0	1200	184	200	228	340	10	180	9-38	9-49
V220SM8	220S	140	180	12.0	1200	198	220	242	360	10	160	9-38	9-49
V240SM8	240S	150	200	13.0	1200	212	240	268	395	10	150	9-38	9-49
V270SM8	270S	175	225	15.0	1200	247	270	303	455	10	130	9-38	9-49
V360SM8	360S	230	300	20.0	1200	324	360	396	595	10	100	9-38	9-49
V390SM8	390S	250	330	21.0	1200	354	390	429	650	10	90	9-38	9-49
V430SM8	430S	275	369	23.0	1200	389	430	473	710	10	80	9-38	9-49

NOTE: Power dissipation of transients not to exceed 0.25 watts for SM8 series.

‡ Also rated to withstand 24V for 5 minutes.

¹See pg. 9-38 for comparison of V-I characteristics by model size for selected voltages.