

Electrical Characteristics**Maximum Ratings****Electrical Characteristics**

Part Number	Continuous Rated Voltage		Rated Single Pulse Transient		Varistor Voltage @ 1mA DC			Maximum Clamping Voltage @ Test Current 8/20µs		Typical Capacitance @ 1KHZ 25°C Picofarad
	AC RMS Volts	DC Volts	Energy 10/1000µs Joules	Peak 8/20µs Amps	Min Volts	V _{NOM} Volts	Max Volts	Volts	Amps	
8S17SM100-ZOV	10	14	0.80	250	14.4	18	21.6	42	5	2000
8S17SM140-ZOV	14	18*	10.0 ^a	250	18.7	22	26.0	47	5	1600
8S17SM170-ZOV	17	22	1.0	250	23.0	27	31.1	57	5	1300
8S17SM200-ZOV	20	26	1.2	250	29.5	33	36.5	68	5	1100
8S17SM250-ZOV	25	31	1.5	250	35.0	39	43.0	79	5	900
8S17SM300-ZOV	30	38	1.8	250	42.0	47	52	92	5	800
8S17SM350-ZOV	35	45	2.3	250	50.0	56	62	107	5	700
8S17SM400-ZOV	40	56	3.0	250	61.0	68	75	127	5	600
8S17SM500-ZOV	50	66	4.0	500	74.0	82	91	135	10	500
8S17SM600-ZOV	60	81	5.0	500	90.0	100	110	165	10	400
8S17SM750-ZOV	75	102	6.0	500	108	120	132	200	10	300
8S17SM950-ZOV	95	127	8.0	500	135	150	165	250	10	250
8S17SM121-ZOV	115	153	10.0	500	162	180	198	295	10	200
8S17SM131-ZOV	130	175	11.0	500	184	200	228	340	10	180
8S17SM141-ZOV	140	180	12.0	500	198	220	242	360	10	160
8S17SM151-ZOV	150	200	13.0	500	212	240	268	395	10	150
8S17SM231-ZOV	230	300	20.0	500	324	360	396	595	10	100
8S17SM251-ZOV	250	330	21.0	500	354	390	429	650	10	90
8S17SM271-ZOV	275	369	23.0	500	389	430	473	710	10	80

Tape and reel ordering instructions:

Insert "T6" following end of part number before suffix -ZOV.

For example: 8S17SM271T6-ZOV

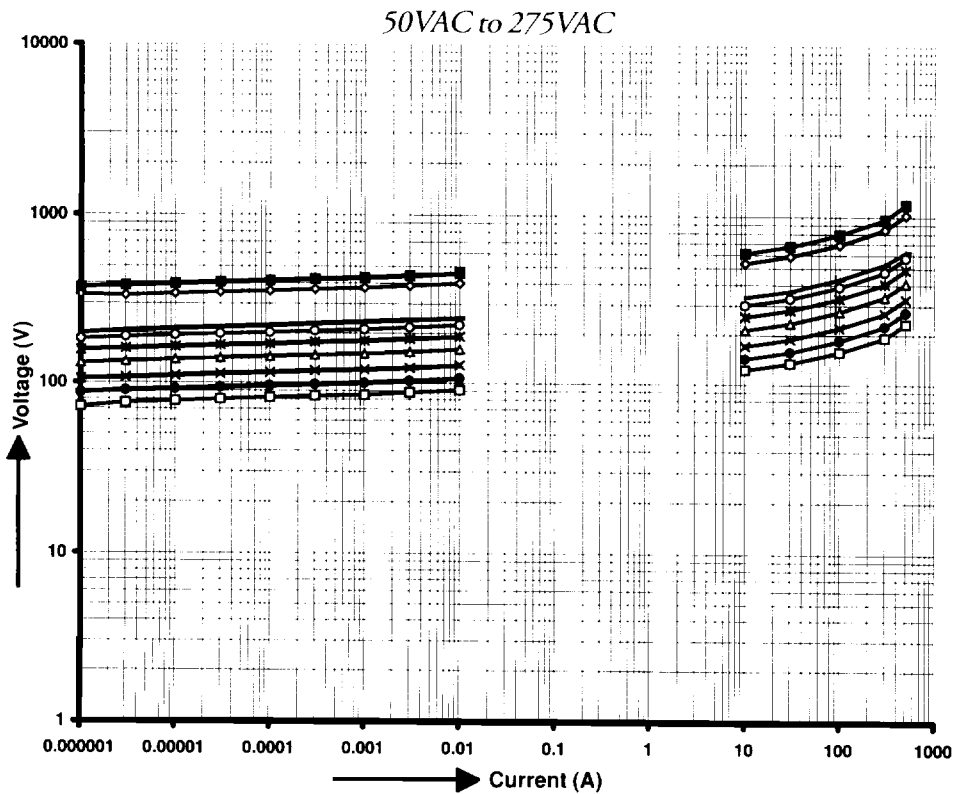
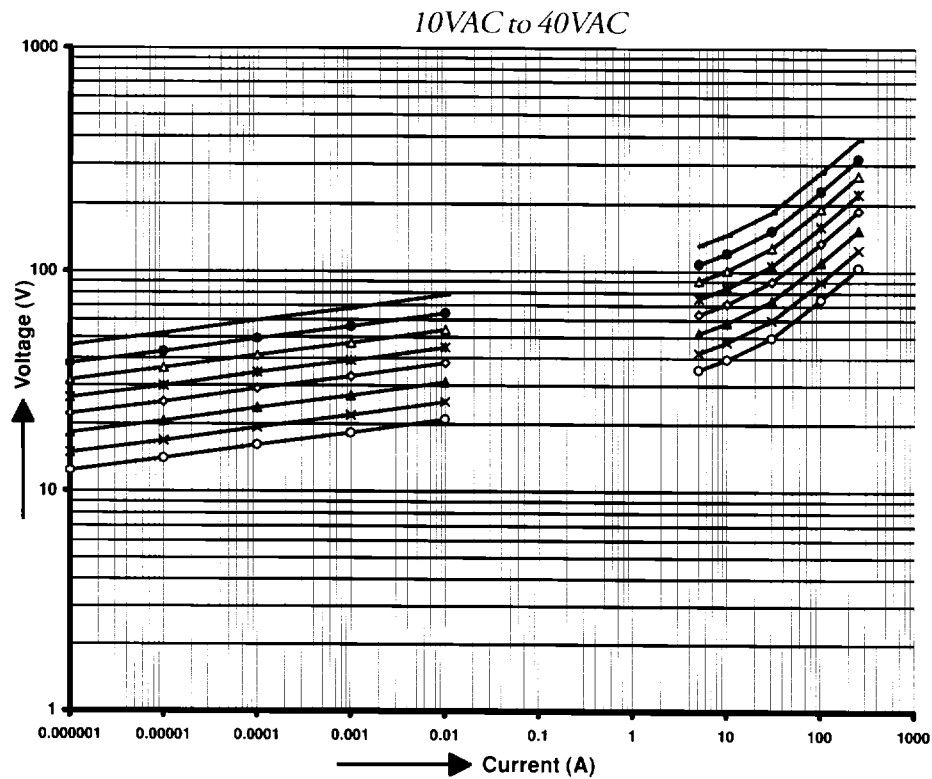
Tape and reel quantities of 1,000 pieces per reel.

The maximum power dissipation of transients is 0.25 watts.

^a Energy rating for impulse duration of 30 milliseconds minimum to one half of peak current value.

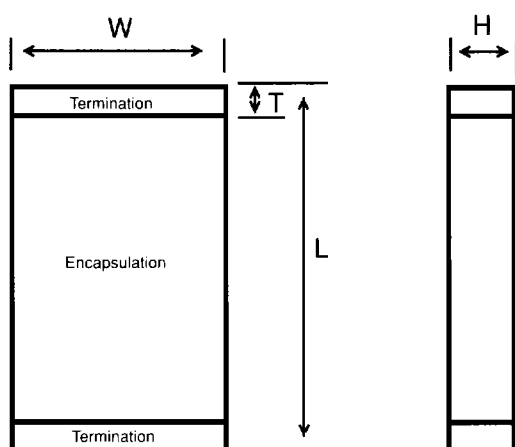
*Also rated to withstand 24 volts for five minutes.

DC Voltages for V-I Curves



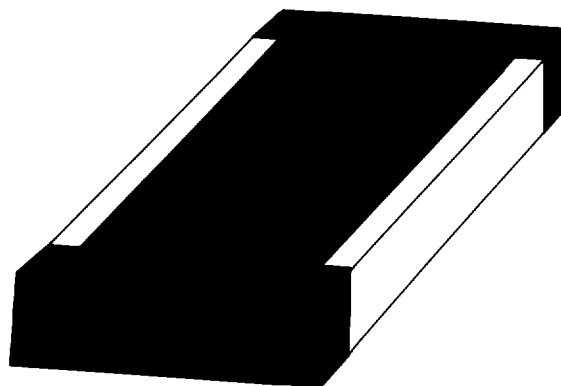
S U R F A C E M O U N T T Y P E S

Dimensions



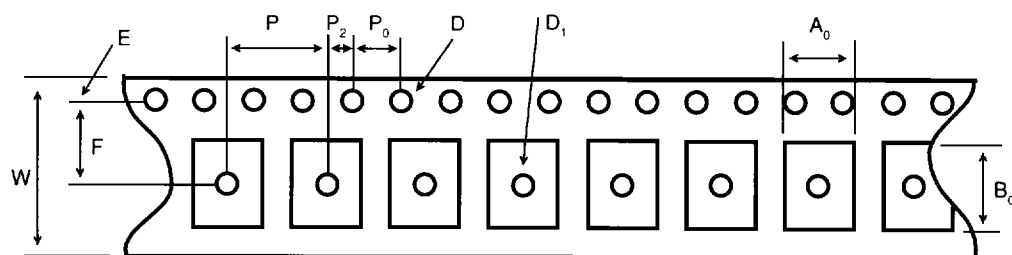
L = Length	.320" $\pm$.012
W = Width	.200" $\pm$.012
H = Height	.080" Maximum
T = Termination	.030" $\pm$.020

SM Series Part

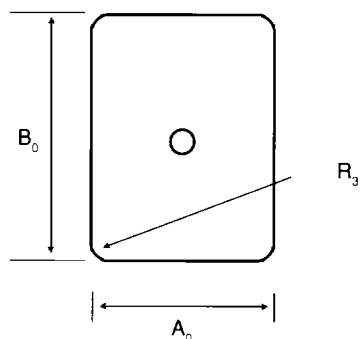
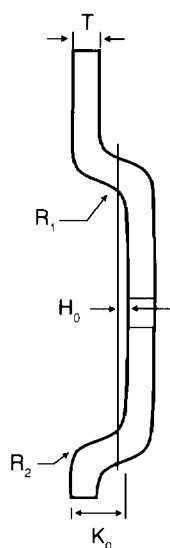


Tape and Reel Specifications

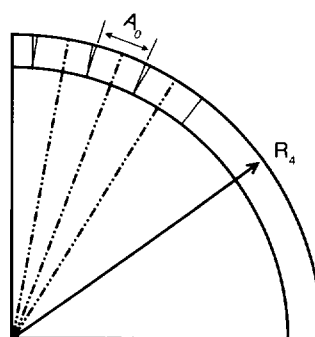
Conforms to EIA 481, Revision A
Can Be Supplied To
IEC Publication 286-3



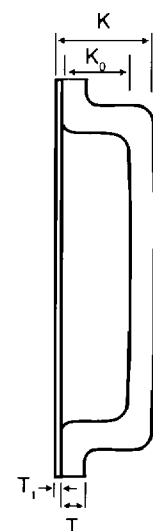
Plan View of Strip



Cavity Details



Reeled Radius Details



Section Through Cavity

Description		Dimensions in mm	Description		Dimensions in mm
A ₀	Cavity Width	5.5 ± 0.1	P ₀	Sprocket Hole Pitch	4.0 ± 0.1
B ₀	Cavity Length	8.5 ± 0.1	P ₂	Hole Center to Component Center	2.0 ± 0.15
D	Sprocket Hole Diameter	1.5 + 0.1 - 0.0	R ₁	Tape Cavity Radii	.5 Maximum
D ₁	Ejection Hole Diameter	1.5 Minimum	R ₂	Tape Cavity Radii	.5 Maximum
E	Sprocket Hole From Edge	1.75 ± 0.1	R ₃	Tape Cavity Radii	.5 Maximum
F	Sprocket Hole to Ejection Hole	7.5 ± 0.1	R ₄	Minimum Bending Radius	40.0 Minimum
H ₀	Reference Plane for A ₀ and B ₀	0.3 + 0.1 - 0.05	T	Carrier Tape Thickness	1.0 Maximum
K	Overall Thickness	3.0 Maximum	T ₁	Cover Tape Thickness	0.1 Maximum
K ₀	Cavity Depth	2.0 Minimum	W	Carrier Tape Width	16.0 ± 0.3
P	Pitch of Component	8.0 ± 0.1			