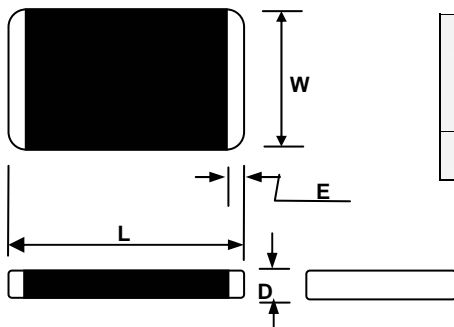




SMD Transient Voltage Suppressors

ML-C Series (SV1812)

Model Number	Working Voltage (MAX)		Breakdown Voltage	Peak Current (MAX)	Clamping Voltage (MAX)		Energy Absorption (MAX)	Typical Capacitance
	AC (V _{RMS})	DC (V)			(A)	(V)		
	Unit Condition		1mA (V)	8/20μs (A)	(A)	(V)	10/1000μs (J)	1KHz (pF)
SV1812ML120C	6	9	12(9.6~14.4)	500	5	20	0.9	9150
SV1812ML150C	8	11	15(12.75~17.25)	500	5	25	1.2	7320
SV1812ML180C	11	14	18(15.3~20.7)	500	5	30	1.4	6100
SV1812ML220C	12	16.5	22(19.8~24.2)	500	5	36	1.6	4300
SV1812ML240C	14	18	24(21.6~27)	500	5	38	1.7	3930
SV1812ML270C	17	22	27(24.3~29.8)	500	5	44	2.0	3500
SV1812ML330C	20	26	33(29.7~36.3)	500	5	54	2.5	2900
SV1812ML390C	25	30	39(35.1~42.9)	500	5	65	2.9	2500
SV1812ML470C	30	38	47(42.3~51.7)	500	5	77	3.5	2200
SV1812ML560C	35	45	56(50.4~61.6)	500	5	90	4.2	1950
SV1812ML680C	40	56	68(61.2~74.8)	500	5	110	4.8	1650
SV1812ML820C	50	65	82(73.8~90.2)	400	5	135	4.5	1060
SV1812ML101C	60	85	100(90~110)	400	5	165	5.8	870
SV1812ML111C	70	90	110(99~121)	400	5	180	5.8	790



Type	L mm	W mm	D mm	E mm
SV1812 ML	4.5 ± 0.20	3.2 ± 0.20	2.0 max.	0.5+0.3/-0.1

NOTES :

1. Tolerance of breakdown Voltage : 12 15V=±15 % , 18 110V=±10 %
2. Tolerance of capacitance: ±20 %
3. Typical leakage at 25 < 50μA, maximum leakage 100μA.
4. The special capacitance range can be designed upon request.