



# SMD Transient Voltage Suppressors

## High surge protection varistor A-Type Performance

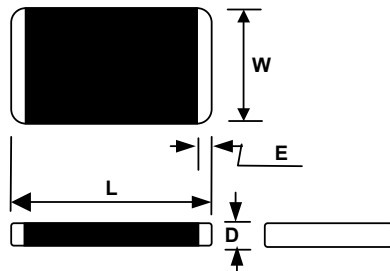
Model Number	Working Voltage (MAX)		Breakdown Voltage	Peak Current (MAX)	Clamping Voltage (MAX)		Energy Absorption (MAX)	Typical Capacitance
	Unit Condition	AC (V <sub>RMS</sub> )			DC (V)	1mA (V)		
VTS11MLA1206	8.0	11.0	15(12.75~17.25)	200	1	25	0.4	1700
VTS14 MLA1206	11.0	14.0	18(15.3~20.7)	200	1	30	0.5	1500
VTS16.5 MLA1206	12.0	16.5	22(19.8~24.2)	200	1	36	0.5	1280
VTS18 MLA1206	14.0	18.0	24(21.6~27)	200	1	39	0.5	1160
VTS22 MLA1206	17.0	22.0	27(24.3~29.8)	200	1	44	0.6	1080
VTS26 MLA1206	20.0	26.0	33(29.7~36.3)	200	1	54	0.7	680
VTS30 MLA1206	25.0	30.0	39(35.1~42.9)	200	1	65	1.0	620
VTS38 MLA1206	30.0	38.0	47(42.3~51.7)	200	1	77	1.1	550
VTS45 MLA1206	35.0	45.0	56(50.4~61.6)	200	1	90	0.8	400
VTS11MLA1210	8.0	11.0	15(12.75~17.25)	400	2.5	25	1.0	4050
VTS14 MLA1210	11.0	14.0	18(15.3~20.7)	400	2.5	30	1.2	3860
VTS16.5 MLA1210	12.0	16.5	22(19.8~24.2)	400	2.5	36	1.4	2600
VTS18 MLA1210	14.0	18.0	24(21.6~27)	400	2.5	39	1.4	2380
VTS22 MLA1210	17.0	22.0	27(24.3~29.8)	400	2.5	44	1.7	2100
VTS26 MLA1210	20.0	26.0	33(29.7~36.3)	400	2.5	54	1.9	1400
VTS30 MLA1210	25.0	30.0	39(35.1~42.9)	400	2.5	65	1.7	1180
VTS38 MLA1210	30.0	38.0	47(42.3~51.7)	400	2.5	77	2.0	1000
VTS45 MLA1210	35.0	45.0	56(50.4~61.6)	400	2.5	90	2.0	660
VTS11 MLA1812	8.0	11.0	15(12.75~17.25)	800	5	25	1.8	8450
VTS14 MLA1812	11.0	14.0	18(15.3~20.7)	800	5	30	1.9	7030
VTS16.5 MLA1812	12.0	16.5	22(19.8~24.2)	800	5	36	2.3	5080
VTS18 MLA1812	14.0	18.0	24(21.6~27)	800	5	38	2.3	4650
VTS22 MLA1812	17.0	22.0	27(24.3~29.8)	800	5	44	2.7	4150
VTS26 MLA1812	20.0	26.0	33(29.7~36.3)	800	5	54	3.0	3400
VTS30 MLA1812	25.0	30.0	39(35.1~42.9)	800	5	65	3.7	2950
VTS38 MLA1812	30.0	38.0	47(42.3~51.7)	800	5	77	4.2	2550
VTS45 MLA1812	35.0	45.0	56(50.4~61.6)	800	5	90	4.2	2400



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## High Surge protection Varistors A Type Performance

SFI Model Number	Working Voltage (MAX)		Breakdown Voltage	Peak Current (MAX)	Clamping Voltage (MAX)		Energy Absorption (MAX)	Typical Capacitance
	AC (V <sub>RMS</sub> )	DC (V)			(A)	(V)		
VTS11 MLA2220	8	11	15(12.75~17.25)	1200	10	25	4.2	21200
VTS14 MLA2220	11	14	18(15.3~20.7)	1200	10	30	5.4	17700
VTS16.5 MLA2220	12	16.5	22(19.8~24.2)	1200	10	36	5.8	14500
VTS18 MLA2220	14	18	24(21.6~27)	1200	10	39	5.8	13600
VTS22 MLA2220	17	22	27(24.3~29.8)	1200	10	44	7.2	12000
VTS26 MLA2220	20	26	33(29.7~36.3)	1200	10	54	7.8	10500
VTS30 MLA2220	25	30	39(35.1~42.9)	1200	10	65	9.6	8900
VTS38 MLA2220	30	38	47(42.3~51.7)	1200	10	77	12.0	5700
VTS45 MLA2220	35	45	56(50.4~61.6)	1200	10	90	7.7	4800



Type	L mm	W Mm	D mm	E mm
VTS 1206 ML	3.2 ± 0.20	1.6 ± 0.15	1.5 max.	0.5 +0.2/-0.2
VTS 1210 ML	3.2 ± 0.20	2.5 ± 0.20	1.5 max.	0.5 +0.2/-0.2
VTS 1812 ML	4.5 ± 0.20	3.2 ± 0.20	2.0 max.	0.5 +0.3/-0.1
VTS 2220 ML	5.7 ± 0.20	5.0 ± 0.20	2.5 max.	0.5 +0.3/-0.1

### NOTES :

1. Tolerance of breakdown Voltage : 15~18V=±15%, 22~56V=±10%
2. Tolerance of capacitance Voltage : ±20
3. Typical leakage at 25°C < 50 µA, maximum leakage 100 µA.
4. In order to satisfy the applications of customer in various fields, the capacitance range can be designed during manufacturing according to the request, please contact our sales department if needed.