Varen 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_{RMS})	DC (V)	1mA (V)	8/20μs (A)	(A)	(V)	10/1000 (J)	1KHz (pF)
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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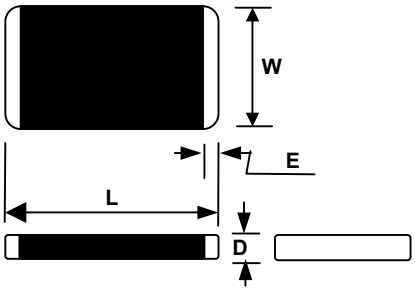
Unit Condition	AC (V_{RMS})	DC (V)	1mA (V)	8/20μs (A)	(A)	(V)	10/1000 (J)	1KHz (pF)
VTS11 MLA2220	8	11	15(12.75~17.25)	1200	10	25	4.2	21200
VTS14 MLA2220	11	14	18(15.3~20.7)	1200	10	30	5.4	17700
VTS16.5 MLA2220	12	16.5	22(19.8~24.2)	1200	10	36	5.8	14500
VTS18 MLA2220	14	18	24(21.6~27)	1200	10	39	5.8	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.**