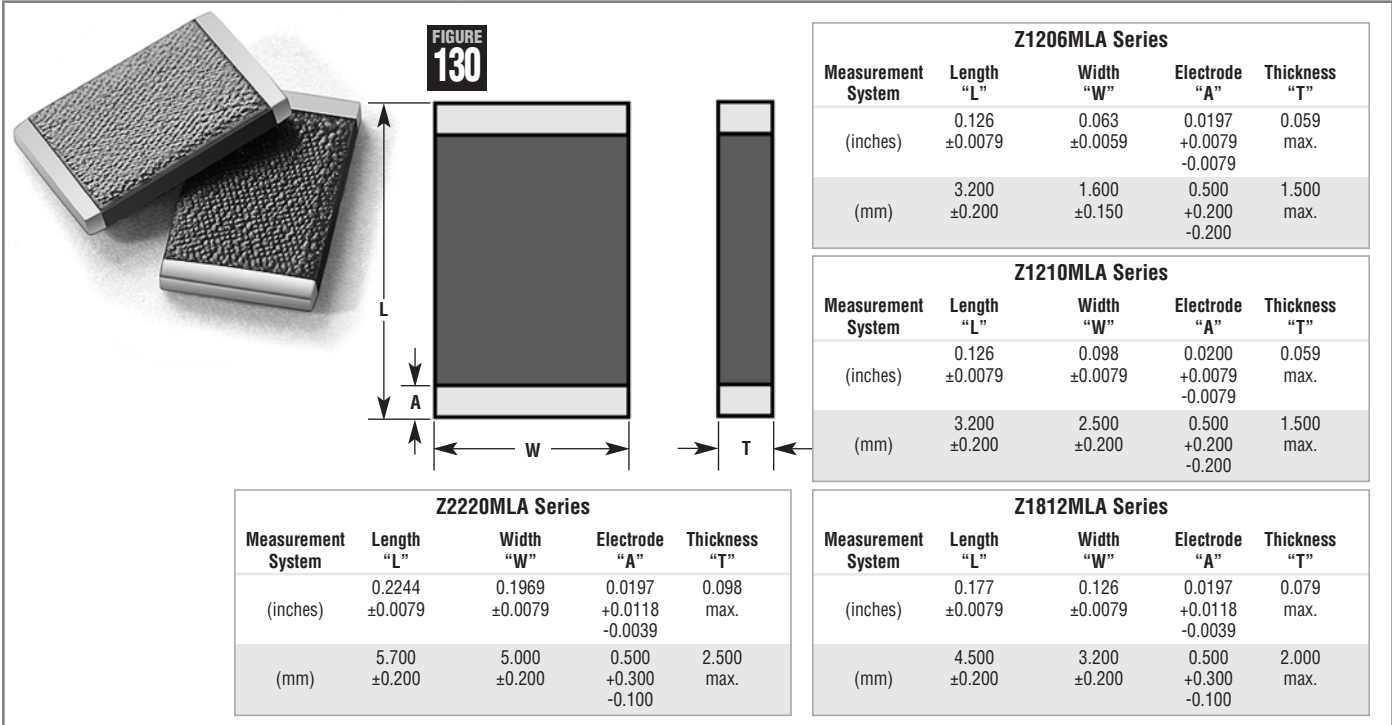


Part Number	Maximum Allowable Voltage		Varistor Voltage @1mA DC V	Energy Absorption (10/1000µS) J	Maximum Clamping Voltage		Peak Surge Current 8/20µS A	Typical Capacitance @1kHz pF	Thickness	
	AC V <sub>RMS</sub>	DC V			A	V			inches	mm
<b>08CH Series - Surface Mount MOVs</b>										
									<b>Figure 129</b>	
08CH180K	11	14	18(16-20)	0.8	5	40	250	3300	0.0591	1.5
08CH220K	14	18	22(20-24)	1	5	46	250	1750	0.0591	1.5
08CH270K	17	22	27(24-30)	1	5	56	250	1500	0.0591	1.5
08CH330K	20	26	33(30-36)	1.2	5	67	250	1200	0.0591	1.5
08CH390K	25	31	39(35-43)	1.5	5	76	250	820	0.0591	1.5
08CH470K	30	38	47(42-52)	1.8	5	90	250	660	0.0591	1.5
08CH560K	35	45	56(50-62)	2.3	5	106	250	530	0.0787	2.0
08CH680K	40	56	68(62-74)	3	5	124	250	360	0.0787	2.0
08CH820K	50	65	82(74-90)	4	10	135	500	250	0.0591	1.5
08CH101K	65	85	100(90-110)	5	10	165	500	225	0.0591	1.5
08CH121K	75	102	120(108-132)	6	10	198	500	200	0.0591	1.5
08CH151K	95	127	150(135-165)	8	10	248	500	150	0.0591	1.5
08CH181K	115	153	180(162-198)	10	10	292	500	110	0.0591	1.5
08CH201K	130	175	200(180-220)	11	10	340	500	100	0.0591	1.5
08CH221K	140	180	220(198-242)	12	10	356	500	94	0.0591	1.5
08CH241K	150	200	240(216-264)	13	10	390	500	86	0.0591	1.5
08CH271K	175	225	270(243-297)	14	10	450	500	76	0.0591	1.5
08CH301K	190	250	300(270-330)	15	10	495	500	64	0.0591	1.5
08CH331K	210	275	330(297-363)	16	10	545	500	52	0.0591	1.5
08CH361K	230	300	360(324-396)	20	10	593	500	45	0.0787	2.0
08CH391K	250	330	390(351-429)	21	10	647	500	42	0.0787	2.0
08CH431K	275	369	430(387-473)	23	10	705	500	39	0.0984	2.5
08CH471K	300	385	470(423-517)	25	10	775	500	35	0.0984	2.5

Notes:  
 Device data taken at 25°C  
 Operating and storage temperature range is -55°C to +125°C  
 All devices listed are RoHS compliant.  
 Parts available on tape and reel in quantities of 1000 pcs per reel  
 Consult Factory for minimum order quantity.



Part Number	Maximum Allowable Voltage		Varistor Voltage @1mA DC V	Energy Absorption (10/1000µs) J	Maximum Clamping Voltage		Peak Surge Current 8/20µs A	Typical Capacitance @1kHz pF
	AC V <sub>RMS</sub>	DC V			A	V		
<b>Z Series Surface - Mount MOVs</b>								
<b>Figure 130</b>								
Z1206MLA150H	8	11	15(12.75-17.25)	0.4	1	28	200	1700
Z1206MLA180H	11	14	18(15.3-20.7)	0.5	1	30	200	1500
Z1206MLA220H	12	16.5	22(19.8-24.2)	0.5	1	36	200	1280
Z1206MLA240H	14	18	24(21.6-27)	0.5	1	39	200	1160
Z1206MLA270H	17	22	27(24.3-29.8)	0.6	1	44	200	1080
Z1206MLA330H	20	26	33(29.7-36.3)	0.7	1	54	200	680
Z1206MLA390H	25	30	39(35.1-42.9)	1	1	65	200	620
Z1206MLA470H	30	38	47(42.3-51.7)	1.1	1	77	200	550
Z1206MLA560H	35	45	56(50.4-61.6)	0.8	1	90	200	400
Z1210MLA150H	8	11	15(12.75-17.25)	1.0	2.5	28	400	4050
Z1210MLA180H	11	14	18(15.3-20.7)	1.2	2.5	30	400	3860
Z1210MLA220H	12	16.5	22(19.8-24.2)	1.4	2.5	36	400	2600
Z1210MLA240H	14	18	24(21.6-27)	1.4	2.5	39	400	2380
Z1210MLA270H	17	22	27(24.3-29.8)	1.7	2.5	44	400	2100
Z1210MLA330H	20	26	33(29.7-36.3)	1.9	2.5	54	400	1400
Z1210MLA390H	25	30	39(35.1-42.9)	1.7	2.5	65	400	1180
Z1210MLA470H	30	38	47(42.3-51.7)	2.0	2.5	77	400	1000
Z1210MLA560H	35	45	56(50.4-61.6)	2.0	2.5	90	400	660
Z1812MLA150H	8	11	15(12.75-17.25)	1.8	5	28	800	8450
Z1812MLA180H	11	14	18(15.3-20.7)	1.9	5	30	800	7030
Z1812MLA220H	12	16.5	22(19.8-24.2)	2.3	5	36	800	5080
Z1812MLA240H	14	18	24(21.6-27)	2.3	5	39	800	4650
Z1812MLA270H	17	22	27(24.3-29.8)	2.7	5	44	800	4150
Z1812MLA330H	20	26	33(29.7-36.3)	3.0	5	54	800	3400
Z1812MLA390H	25	30	39(35.1-42.9)	3.7	5	65	800	2950
Z1812MLA470H	30	38	47(42.3-51.7)	4.2	5	77	800	2550
Z1812MLA560H	35	45	56(50.4-61.6)	4.2	5	90	800	2400
Z2220MLA150H	8	11	15(12.75-17.25)	4.2	10	28	1200	21200
Z2220MLA180H	11	14	18(15.3-20.7)	5.4	10	30	1200	17700
Z2220MLA220H	12	16.5	22(19.8-24.2)	5.8	10	36	1200	14500
Z2220MLA240H	14	18	24(21.6-27)	5.8	10	39	1200	13600
Z2220MLA270H	17	22	27(24.3-29.8)	7.2	10	44	1200	12000
Z2220MLA330H	20	26	33(29.7-36.3)	7.8	10	54	1200	10500
Z2220MLA390H	25	30	39(35.1-42.9)	9.6	10	65	1200	8900
Z2220MLA470H	30	38	47(42.3-51.7)	12.0	10	77	1200	5700
Z2220MLA560H	35	45	56(50.4-61.6)	7.7	10	90	1200	4800

Parts are available on tape and reel.

Z1206 – 3000 pcs/reel  
Z1210 – 2000 pcs/reel

Z1812 – 1000 pcs/reel  
Z2222 – 1000 pcs/reel

Consult Factory for minimum order quantity.

All devices listed are RoHS compliant.

See page 57 for explanation of UL Surge Suppression Device Type Designations.