

Part Number	Agency Mark	Device Marking	Maximum Applied Voltage		Varistor Voltage @1mA DC V	Energy 2mS J	Maximum Clamping Voltage 8/20 μS			Peak Current A	Typical Capacitance pF	Dimensions(mm) ±1mm			
			AC RMS	DC			V	A	A			D-Max	T	W	d
Line Voltage Series - Radial Lead MOVs															
Z130LA2	UL5	1302	130	170	205(185-225)	11	340	10	1200	250	9.0	4.2	5.0	0.6	
Z130LA5	UL5	1305	130	170	205(185-225)	20	340	25	2500	500	13.5	4.6	7.5	0.8	
Z130LA10A	UL5	Z130LA10A	130	170	205(185-225)	38	340	50	4500	1000	17.0	4.6	7.5	0.8	
Z130LA20A	UL5	Z130LA20A	130	170	205(185-225)	70	340	100	6500	2000	23.0	5.0	10.0	1.0	
Z140LA2	UL5	1402	140	180	220(198-242)	12	360	10	1200	250	9.0	4.3	5.0	0.6	
Z140LA5	UL5	1405	140	180	220(198-242)	23	360	25	2500	450	13.5	4.7	7.5	0.8	
Z140LA10A	UL5	Z140LA10A	140	180	220(198-242)	42	360	50	4500	1000	17.0	4.7	7.5	0.8	
Z140LA20A	UL5	Z140LA20A	140	180	220(198-242)	75	360	100	6500	2000	23.0	5.2	10.0	1.0	
Z150LA2	UL5	1502	150	200	240(216-264)	13	395	10	1200	200	9.0	4.4	5.0	0.6	
Z150LA5	UL5	1505	150	200	240(216-264)	25	395	25	2500	400	13.5	4.8	7.5	0.8	
Z150LA10A	UL5	Z150LA10A	150	200	240(216-264)	45	395	50	4500	900	17.0	4.8	7.5	0.8	
Z150LA20A	UL5	Z150LA20A	150	200	240(216-264)	80	395	100	6500	1800	23.0	5.3	10.0	1.0	
Z175LA2	UL5	1752	175	225	270(247-303)	15	455	10	1200	170	9.0	4.6	5.0	0.6	
Z175LA5	UL5	1755	175	225	270(247-303)	30	455	25	2500	350	13.5	5.0	7.5	0.8	
Z175LA10A	UL5	Z175LA10A	175	225	270(247-303)	55	455	50	4500	750	17.0	5.1	7.5	0.8	
Z175LA20A	UL5	Z175LA20A	175	225	270(247-303)	90	455	100	6500	1600	23.0	5.4	10.0	1.0	
Z210LA4	UL5	2104	210	275	330(297-363)	15	550	10	1200	140	9.0	4.8	5.0	0.6	
Z210LA10	UL5	210L	210	275	330(297-363)	32	550	25	2500	300	13.5	5.2	7.5	0.8	
Z210LA20A	UL5	Z210LA20A	210	275	330(297-363)	60	550	50	4500	650	17.0	5.3	7.5	0.8	
Z210LA40A	UL5	Z210LA40A	210	275	330(297-363)	105	550	100	6500	1400	23.0	5.5	10.0	1.0	
Z230LA4	UL5	2304	230	300	360(324-396)	15	595	10	1200	130	9.0	5.2	5.0	0.6	
Z230LA10	UL5	230L	230	300	360(324-396)	35	595	25	2500	300	14.0	5.7	7.5	0.8	
Z230LA20A	UL5	Z230LA20A	230	300	360(324-396)	65	595	50	4500	550	17.5	5.7	7.5	0.8	
Z230LA40A	UL5	Z230LA40A	230	300	360(324-396)	120	595	100	6500	1200	24.0	6.1	10.0	1.0	
Z250LA4	UL5	2504	250	330	390(351-429)	21	650	10	1200	130	9.0	5.4	5.0	0.6	
Z250LA10	UL5	250L	250	330	390(351-429)	40	650	25	2500	270	14.0	5.8	7.5	0.8	
Z250LA20A	UL5	Z250LA20A	250	330	390(351-429)	72	650	50	4500	500	17.5	5.8	7.5	0.8	
Z250LA40A	UL5	Z250LA40A	250	330	390(351-429)	130	650	100	6500	1000	24.0	6.4	10.0	1.0	
Z275LA4	UL5	2754	275	350	430(387-473)	23	710	10	1200	110	9.0	5.7	5.0	0.6	
Z275LA10	UL5	275L	275	350	430(387-473)	45	710	25	2500	250	14.0	6.2	7.5	0.8	
Z275LA20A	UL5	Z275LA20A	275	350	430(387-473)	75	710	50	4500	450	17.5	6.2	7.5	0.8	
Z275LA40A	UL5	Z275LA40A	275	350	430(387-473)	140	710	100	6500	900	24.0	6.7	10.0	1.0	
Z300LA4	UL5	3004	300	385	470(423-517)	25	775	10	1200	100	9.0	6.0	5.0	0.6	
Z300LA10	UL5	300L	300	385	470(423-517)	45	775	25	2500	230	14.0	6.2	7.5	0.8	
Z300LA20A	UL5	Z300LA20A	300	385	470(423-517)	80	775	50	4500	440	17.5	6.2	7.5	0.8	
Z300LA40A	UL5	Z300LA40A	300	385	470(423-517)	150	775	100	6500	900	24.0	6.7	10.0	1.0	
Z350LA10	UL5	350L	350	455	560(504-616)	45	925	25	2500	180	14.0	6.1	7.5	0.8	
Z350LA20A	UL5	Z350LA20A	350	455	560(504-616)	80	925	50	4500	350	17.5	6.3	7.5	0.8	
Z350LA40A	UL5	Z350LA40A	350	455	560(504-616)	150	925	100	6500	700	24.0	6.8	10.0	1.0	
Z385LA10	UL5	385L	385	505	620(558-682)	45	1025	25	2500	130	14.0	6.2	7.5	0.8	
Z385LA20A	UL5	Z385LA20A	385	505	620(558-682)	85	1025	50	4500	250	17.5	6.5	7.5	0.8	
Z385LA40A	UL5	Z385LA40A	385	505	620(558-682)	150	1025	100	6500	500	24.0	6.9	10.0	1.0	
Z420LA10	UL5	420L	420	560	680(612-748)	45	1120	25	2500	130	14.0	6.5	7.5	0.8	
Z420LA20A	UL5	Z420LA20A	420	560	680(612-748)	90	1120	50	4500	250	17.5	6.5	7.5	0.8	
Z420LA40A	UL5	Z420LA40A	420	560	680(612-748)	160	1120	100	6500	460	24.0	6.9	10.0	1.0	
Z460LA10	UL5	460L	460	615	750(675-825)	50	1240	25	2500	120	14.0	6.8	7.5	0.8	
Z460LA20A	UL5	Z460LA20A	460	615	750(675-825)	100	1240	50	4500	230	17.5	6.8	7.5	0.8	
Z460LA40A	UL5	Z460LA40A	460	615	750(675-825)	175	1240	100	6500	420	24.0	7.3	10.0	1.0	
Z480LA20	UL5	480L	480	640	780(702-858)	50	1290	25	2500	120	14.0	6.9	7.5	0.8	
Z480LA40A	UL5	Z480LA40A	480	640	780(702-858)	105	1290	50	4500	230	17.5	6.9	7.5	0.8	
Z480LA80A	UL5	Z480LA80A	480	640	780(702-858)	180	1290	100	6500	420	24.0	7.4	10.0	1.0	
Z510LA20	UL5	510L	510	670	820(738-902)	55	1355	25	2500	105	14.0	7.1	7.5	0.8	
Z510LA40A	UL5	Z510LA40A	510	670	820(738-902)	110	1355	50	4500	200	17.5	7.1	7.5	0.8	
Z510LA80A	UL5	Z510LA80A	510	670	820(738-902)	190	1355	100	6500	400	24.0	7.6	10.0	1.0	
Z550LA20	UL5	550L	550	700	910(819-1000)	60	1500	25	2500	95	14.0	7.6	7.5	0.8	
Z550LA40A	UL5	Z550LA40A	550	700	910(819-1000)	120	1500	50	4500	180	17.5	7.6	7.5	0.8	
Z550LA80A	UL5	Z550LA80A	550	700	910(819-1000)	220	1500	100	6500	350	24.0	8.1	10.0	1.0	
Z575LA20	UL5	575L	575	745	920(819-1000)	60	1500	25	2500	95	14.0	7.6	7.5	0.8	
Z575LA40A	UL5	Z575LA40A	575	745	920(819-1000)	120	1500	50	4500	180	17.5	7.6	7.5	0.8	
Z575LA80A	UL5	Z575LA80A	575	745	920(819-1000)	220	1500	100	6500	350	24.0	8.1	10.0	1.0	
Z600LA20	UL5	625L	625	825	1000(900-1100)	65	1650	25	2500	80	14.0	8.0	7.5	0.8	
Z600LA50A	UL5	Z600LA50A	625	825	1000(900-1100)	130	1650	50	4500	150	17.5	8.0	7.5	0.8	
Z600LA100A	UL5	Z600LA100A	625	825	1000(900-1100)	230	1650	100	6500	320	24.0	8.5	10.0	1.0	
Z660LA20	UL5	660L	680	895	1100(990-1210)	70	1815	25	2500	80	14.0	8.5	7.5	0.8	
Z660LA50A	UL5	Z660LA50A	680	895	1100(990-1210)	140	1815	50	4500	150	17.5	8.5	7.5	0.8	
Z660LA100A	UL5	Z660LA100A	680	895	1100(990-1210)	250	1815	100	6500	300	24.0	9.0	10.0	1.0	
Z1000LA80A	UL5	Z1000LA80A	1000	1465	1800(1620-1980)	240	2970	50	4500	100	17.5	12.0	15.0	0.8	
Z1000LA160A	UL5	Z1000LA160A	1000	1465	1800(1620-1980)	400	2970	100	6500	200	25.0	12.0	15.0	1.0	

Radial leaded MOVs having the Underwriters Laboratory Recognized Component Mark, conform to UL 1414, UL1449 edition 3, as listed on DTI UL file number E319342. Maximum Power Dissipation: 5 mm-0.1 watt; 7 mm-0.25 watt; 10 mm-0.4 watt; 14 mm-0.6 watt, 20 mm-1 watt.

Typical response time is less than 15 nanoseconds.

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

All devices listed are RoHS compliant.