



# RADIAL LEAD METAL OXIDE VARISTORS—LINE VOLTAGE SERIES

**SUPPRESSION**

CKE Part Number	Marking On Part	Max Applied Contin. Volts		Varistor Voltage @ 1 mA DC	Energy 2ms	Max. Clamping Voltage 8/20 $\mu$ s		Peak Current	Typical Capacitance	Dimensions (mm) - Figure 64			
		AC <sub>RMS</sub>	DC	DC Volts	Joules	Volts	Amps	Amps	pF	$\pm 1$ mm			
										D-Max	T	W	d
$\Psi$ Z130LA2	1302	130	170	200(185-225)	11	340	10	1200	250	9.0	4.2	5.0	0.6
$\Psi$ Z130LA5	1305	130	170	200(185-225)	20	340	25	2500	500	13.5	4.6	7.5	0.8
$\Psi$ Z130LA10A	Z130LA10A	130	170	200(185-225)	38	340	50	4500	1000	17.0	4.6	7.5	0.8
$\Psi$ Z130LA20A	Z130LA20A	130	170	200(185-225)	70	340	100	6500	2000	23.0	5.0	10.0	1.0
$\Psi$ Z140LA2	1402	140	180	220(198-242)	12	360	10	1200	250	9.0	4.3	5.0	0.6
$\Psi$ Z140LA5	1405	140	180	220(198-242)	23	360	25	2500	450	13.5	4.7	7.5	0.8
$\Psi$ Z140LA10A	Z140LA10A	140	180	220(198-242)	42	360	50	4500	1000	17.0	4.7	7.5	0.8
$\Psi$ Z140LA20A	Z140LA20A	140	180	220(198-242)	75	360	100	6500	2000	23.0	5.2	10.0	1.0
$\Psi$ Z150LA2	1502	150	200	240(216-264)	13	395	10	1200	200	9.0	4.4	5.0	0.6
$\Psi$ Z150LA5	1505	150	200	240(216-264)	25	395	25	2500	400	13.5	4.8	7.5	0.8
$\Psi$ Z150LA10A	Z150LA10A	150	200	240(216-264)	45	395	50	4500	900	17.0	4.8	7.5	0.8
$\Psi$ Z150LA20A	Z150LA20A	150	200	240(216-264)	80	395	100	6500	1800	23.0	5.3	10.0	1.0
$\Psi$ Z175LA2	1752	175	225	270(247-303)	15	455	10	1200	170	9.0	4.6	5.0	0.6
$\Psi$ Z175LA5	1755	175	225	270(247-303)	30	455	25	2500	350	13.5	5.0	7.5	0.8
$\Psi$ Z175LA10A	Z175LA10A	175	225	270(247-303)	55	455	50	4500	750	17.0	5.1	7.5	0.8
$\Psi$ Z175LA20A	Z175LA20A	175	225	270(247-303)	90	455	100	6500	1600	23.0	5.4	10.0	1.0
$\Psi$ Z210LA4	2104	210	275	330(297-363)	15	550	10	1200	140	9.0	4.8	5.0	0.6
$\Psi$ Z210LA10	210L	210	275	330(297-363)	32	550	25	2500	300	13.5	5.2	7.5	0.8
$\Psi$ Z210LA20A	Z210LA20A	210	275	330(297-363)	60	550	50	4500	650	17.0	5.3	7.5	0.8
$\Psi$ Z210LA40A	Z210LA40A	210	275	330(297-363)	105	550	100	6500	1400	23.0	5.5	10.0	1.0
$\Psi$ Z230LA4	2304	230	300	360(324-396)	15	595	10	1200	130	9.0	5.2	5.0	0.6
$\Psi$ Z230LA10	230L	230	300	360(324-396)	35	595	25	2500	300	14.0	5.7	7.5	0.8
$\Psi$ Z230LA20A	Z230LA20A	230	300	360(324-396)	65	595	50	4500	550	17.5	5.7	7.5	0.8
$\Psi$ Z230LA40A	Z230LA40A	230	300	360(324-396)	120	595	100	6500	1200	24.0	6.1	10.0	1.0
$\Psi$ Z250LA4	2504	250	330	390(351-429)	21	650	10	1200	130	9.0	5.4	5.0	0.6
$\Psi$ Z250LA10	250L	250	330	390(351-429)	40	650	25	2500	270	14.0	5.8	7.5	0.8
$\Psi$ Z250LA20A	Z250LA20A	250	330	390(351-429)	72	650	50	4500	500	17.5	5.8	7.5	0.8
$\Psi$ Z250LA40A	Z250LA40A	250	330	390(351-429)	130	650	100	6500	1000	24.0	6.4	10.0	1.0
$\Psi$ Z275LA4	2754	275	350	430(387-473)	23	710	10	1200	110	9.0	5.7	5.0	0.6
$\Psi$ Z275LA10	275L	275	350	430(387-473)	45	710	25	2500	250	14.0	6.2	7.5	0.8
$\Psi$ Z275LA20A	Z275LA20A	275	350	430(387-473)	75	710	50	4500	450	17.5	6.2	7.5	0.8
$\Psi$ Z275LA40A	Z275LA40A	275	350	430(387-473)	140	710	100	6500	900	24.0	6.7	10.0	1.0
$\Psi$ Z300LA4	3004	300	385	470(423-517)	25	775	10	1200	100	9.0	6.0	5.0	0.6
$\Psi$ Z300LA10	300L	300	385	470(423-517)	45	775	25	2500	230	14.0	6.2	7.5	0.8
$\Psi$ Z300LA20A	Z300LA20A	300	385	470(423-517)	80	775	50	4500	440	17.5	6.2	7.5	0.8
$\Psi$ Z300LA40A	Z300LA40A	300	385	470(423-517)	150	775	100	6500	900	24.0	6.7	10.0	1.0
$\Psi$ Z350LA10	350L	350	455	560(504-616)	45	925	25	2500	180	14.0	6.1	7.5	0.8
$\Psi$ Z350LA20A	Z350LA20A	350	455	560(504-616)	80	925	50	4500	350	17.5	6.3	7.5	0.8
$\Psi$ Z350LA40A	Z350LA40A	350	455	560(504-616)	150	925	100	6500	700	24.0	6.8	10.0	1.0
$\Psi$ Z385LA10	385L	385	505	620(558-682)	45	1025	25	2500	130	14.0	6.2	7.5	0.8
$\Psi$ Z385LA20A	Z385LA20A	385	505	620(558-682)	85	1025	50	4500	250	17.5	6.5	7.5	0.8
$\Psi$ Z385LA40A	Z385LA40A	385	505	620(558-682)	150	1025	100	6500	500	24.0	6.9	10.0	1.0
$\Psi$ Z420LA10	420L	420	560	680(612-748)	45	1120	25	2500	130	14.0	6.5	7.5	0.8
$\Psi$ Z420LA20A	Z420LA20A	420	560	680(612-748)	90	1120	50	4500	250	17.5	6.5	7.5	0.8
$\Psi$ Z420LA40A	Z420LA40A	420	560	680(612-748)	160	1120	100	6500	460	24.0	6.9	10.0	1.0
$\Psi$ Z460LA10	460L	460	615	750(675-825)	50	1240	25	2500	120	14.0	6.8	7.5	0.8
$\Psi$ Z460LA20A	Z460LA20A	460	615	750(675-825)	100	1240	50	4500	230	17.5	6.8	7.5	0.8
$\Psi$ Z460LA40A	Z460LA40A	460	615	750(675-825)	175	1240	100	6500	420	24.0	7.3	10.0	1.0
$\Psi$ Z480LA20	480L	480	640	780(702-858)	50	1290	25	2500	120	14.0	6.9	7.5	0.8
$\Psi$ Z480LA40A	Z480LA40A	480	640	780(702-858)	105	1290	50	4500	230	17.5	6.9	7.5	0.8
$\Psi$ Z480LA80A	Z480LA80A	480	640	780(702-858)	180	1290	100	6500	420	24.0	7.4	10.0	1.0
$\Psi$ Z510LA20	510L	510	670	820(738-902)	55	1355	25	2500	105	14.0	7.1	7.5	0.8
$\Psi$ Z510LA40A	Z510LA40A	510	670	820(738-902)	110	1355	50	4500	200	17.5	7.1	7.5	0.8
$\Psi$ Z510LA80A	Z510LA80A	510	670	820(738-902)	190	1355	100	6500	400	24.0	7.6	10.0	1.0
$\Psi$ Z550LA20	550L	550	700	910(819-1000)	60	1500	25	2500	95	14.0	7.6	7.5	0.8
$\Psi$ Z550LA40A	Z550LA40A	550	700	910(819-1000)	120	1500	50	4500	180	17.5	7.6	7.5	0.8
$\Psi$ Z550LA80A	Z550LA80A	550	700	910(819-1000)	220	1500	100	6500	350	24.0	8.1	10.0	1.0
$\Psi$ Z575LA20	575L	575	745	920(819-1000)	60	1500	25	2500	95	14.0	7.6	7.5	0.8
$\Psi$ Z575LA40A	Z575LA40A	575	745	920(819-1000)	120	1500	50	4500	180	17.5	7.6	7.5	0.8
$\Psi$ Z575LA80A	Z575LA80A	575	745	920(819-1000)	220	1500	100	6500	350	24.0	8.1	10.0	1.0
$\Psi$ Z600LA20	625L	625	825	1000(900-1100)	65	1650	25	2500	80	14.0	8.0	7.5	0.8
$\Psi$ Z600LA50A	Z600LA50A	625	825	1000(900-1100)	130	1650	50	4500	150	17.5	8.0	7.5	0.8
$\Psi$ Z600LA100A	Z600LA100A	625	825	1000(900-1100)	230	1650	100	6500	320	24.0	8.5	10.0	1.0
$\Psi$ Z660LA20	660L	680	895	1100(990-1210)	70	1815	25	2500	80	14.0	8.5	7.5	0.8
$\Psi$ Z660LA50A	Z660LA50A	680	895	1100(990-1210)	140	1815	50	4500	150	17.5	8.5	7.5	0.8
$\Psi$ Z660LA100A	Z660LA100A	680	895	1100(990-1210)	250	1815	100	6500	300	24.0	9.0	10.0	1.0
$\Psi$ Z1000LA80A	Z1000LA80A	1000	1465	1800(1620-1980)	240	2970	50	4500	100	17.5	12.0	15.0	0.8
$\Psi$ Z1000LA160A	Z1000LA160A	1000	1465	1800(1620-1980)	400	2970	100	6500	200	25.0	12.0	15.0	1.0

All radial leaded MOVs are available on tape and reel and/or crimp lead and/or trim lead. Consult factory for details

Radial leaded MOVs having the Underwriters Laboratory Recognized Component Mark,  $\Psi$ , conform to UL 1414, UL1449 second edition and CSA class 222101. CKE's UL recognized parts are listed on file #E90510 Maximum Power Dissipation: 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.

All parts RoHS compliant