



Varistors (MOVs) Radial Leaded — LA, ZA and UltraMOV™ Series (Cont.)



Disc Diameter (mm)	Maximum Continuous Working Voltage†		Varistor Voltage @ 1mA DC‡		Maximum Clamping Voltage (8x20µs)‡		Peak Current (8x20µs)‡ I ^{pk} (A)†	Maximum Dimensions (mm)					Digi-Key Part No.	Pricing			Littelfuse Part No.
	V(RMS)	VDC	Minimum	Maximum	Vc (V)	Ipk (A)		H	øD	W	L	T		1	10	100	
14	150	200	212	268	395	50	4500	20	17	8.5	3.5	5.6	F3017-ND	.59	5.41	40.60	V150LA10AP
	175	225	247	303	455	50	4500	20	17	8.5	3.5	5.6	F3018-ND	.59	5.41	40.60	V175LA10AP
	230	300	324	396	595	50	4500	20	17	8.5	3.5	5.6	F3019-ND	.59	5.41	40.60	V230LA20AP
	250	330	354	429	650	50	4500	20	17	8.5	3.5	5.6	F3020-ND	.59	5.41	40.60	V250LA20AP
	275	369	389	473	710	50	4500	20	17	8.5	3.5	5.6	F3021-ND	.59	5.41	40.60	V275LA20AP
	300	405	420	517	775	50	4500	20	17	8.5	3.5	5.6	F3022-ND	.59	5.41	40.60	V300LA20AP
	320	420	462	565	850	50	4500	20	17	8.5	3.5	5.6	F3023-ND	.59	5.41	40.60	V320LA20AP
	420	560	610	748	1120	50	4500	20.5	17	8.5	5.5	7.3	F3024-ND	.59	5.41	40.60	V420LA20AP
	480	640	670	825	1240	50	4500	20.5	17	8.5	5.5	7.3	F3025-ND	.80	7.35	55.12	V480LA40AP
	510	675	735	910	1350	50	4500	20.5	17	8.5	5.5	7.3	F3026-ND	1.25	11.62	87.11	V510LA40AP
	575	730	805	1000	1500	50	4500	20.5	17	8.5	5.5	8.3	F3027-ND	1.25	11.62	87.11	V575LA40AP
	660	850	940	1210	1820	50	4500	20.5	17	8.5	5.5	8.3	F3028-ND	1.97	18.18	136.32	V660LA50AP
1000	1200	1425	1800	2700	50	4500	20.5	17	8.5	5.5	10.8	F3029-ND	3.14	28.97	217.24	V1000LA80AP	
20	130	175	184	228	340	100	6500	26.5	23	8.5	3.5	5.6	F3030-ND	.92	8.53	63.99	V130LA20AP
	130	175	184	220	325	100	6500	26.5	23	8.5	3.5	5.6	F3031-ND	.92	8.53	63.99	V130LA20BP
	130	175	184	228	340	100	9000	28	23	8.5	5.5	7.3	F3490-ND§ NEW!	1.25	11.62	87.11	V130LA20CP
	150	200	212	268	395	100	6500	26.5	23	8.5	3.5	5.6	F3032-ND	.92	8.53	63.99	V150LA20AP
	150	200	212	243	360	100	6500	26.5	23	8.5	3.5	5.6	F3033-ND	.92	8.53	63.99	V150LA20BP
	250	330	354	429	650	100	6500	26.5	23	8.5	3.5	5.6	F3034-ND	.92	8.53	63.99	V250LA40AP
	250	330	354	413	620	100	6500	26.5	23	8.5	3.5	5.6	F3035-ND	.92	8.53	63.99	V250LA40BP
	275	369	389	473	710	100	6500	26.5	23	8.5	3.5	5.6	F3036-ND	.92	8.53	63.99	V275LA40AP
	275	369	389	453	680	100	6500	26.5	23	8.5	3.5	5.6	F3037-ND	.92	8.53	63.99	V275LA40BP
	300	405	420	517	775	100	6500	26.5	23	8.5	3.5	5.6	F3038-ND	.92	8.53	63.99	V300LA40AP
	320	420	462	540	810	100	6500	26.5	23	8.5	3.5	5.6	F3039-ND	.92	8.53	63.99	V320LA40AP
	420	560	610	720	1060	100	6500	28	23	8.5	5.5	7.3	F3040-ND	1.09	10.07	75.56	V420LA80BP
480	640	670	790	1160	100	6500	28	23	8.5	5.5	7.3	F3041-ND	1.25	11.62	87.11	V480LA80BP	
510	675	735	860	1280	100	6500	28	23	8.5	5.5	7.3	F3042-ND	1.59	14.70	110.24	V510LA80BP	
575	730	805	960	1410	100	6500	28	23	8.5	5.5	8.3	F3043-ND	2.09	19.32	144.92	V575LA80BP	
625	825	900	1100	1650	100	6500	28	23	8.5	5.5	8.3	F3044-ND	2.81	25.88	194.12	V625LA80BP	
660	850	940	1100	1650	100	6500	28	23	8.5	5.5	8.3	F3045-ND	3.01	27.82	208.64	V660LA100BP	
1000	1200	1425	1600	2420	100	6500	28	23	8.5	5.5	10.8	F3046-ND	3.98	36.71	275.32	V1000LA160BP	

§ C-III Series

ZA Series

Disc Diameter (mm)	Maximum Continuous Working Voltage†		Varistor Voltage @ 1mA DC‡		Maximum Clamping Voltage (8x20µs)‡		Peak Current (8x20µs)‡ I ^{pk} (A)†	Maximum Dimensions (mm)					Digi-Key Part No.	Pricing			Littelfuse Part No.	
	V(RMS)	VDC	Minimum	Maximum	Vc (V)	Ipk (A)		H	øD	W	L	T		1	10	100		
5	14	18	18.7	22	26	43	1	100	10	7	6	3	5	F3047-ND	.33	3.08	23.12	V22ZA05P
	30	38	42	47	55	93	1	100	10	7	6	3	5	F3048-ND	.33	3.08	23.12	V47ZA05P
	140	180	198	220	253	360	5	400	10	7	6	3.5	5.6	F3049-ND	.63	5.81	43.56	V220ZA05P
	250	330	351	—	449	650	5	400	10	7	6	3.5	5.6	F3361-ND	.63	5.81	43.56	V390ZA05P
7	4	5.5	6	8	11	22	2.5	100	12	9	6	3	5	F3059-ND	.50	4.62	34.69	V8ZA1P
	10	14	14.4	18	21.6	36	2.5	250	12	9	6	3	5	F3050-ND	.47	4.27	32.00	V18ZA1P
	14	18	18.7	22	26	43	2.5	250	12	9	6	3	5	F3051-ND	.33	3.08	23.12	V22ZA1P
	17	22	23	27	31.1	53	2.5	250	12	9	6	3	5	F3052-ND	.33	3.08	23.12	V27ZA1P
	20	26	29.5	33	36.5	65	2.5	250	12	9	6	3	5	F3053-ND	.33	3.08	23.12	V33ZA1P
	25	31	35	39	43	79	2.5	250	12	9	6	3	5	F3054-ND	.33	3.08	23.12	V39ZA1P
	30	38	42	47	52	93	2.5	250	12	9	6	3	5	F3055-ND	.33	3.08	23.12	V47ZA1P
	35	45	50	56	62	110	2.5	250	12	9	6	3	5	F3056-ND	.33	3.08	23.12	V66ZA2P
	40	56	61	68	75	135	2.5	250	12	9	6	3.5	5.6	F3057-ND	.33	3.08	23.12	V68ZA2P
	50	68	73	82	91	135	10	1200	12	9	6	3.5	5.6	F3058-ND	.63	5.81	43.56	V82ZA2P
	60	81	90	—	110	165	10	1200	12	9	6	3	5	F3358-ND	.33	3.08	23.12	V100ZA3P
	75	102	108	120	132	205	10	1200	12	9	6	3	5	F3060-ND	.33	3.08	23.12	V120ZA1P
115	153	162	—	198	300	10	1200	12	9	6	3	5	F3360-ND	.33	3.08	23.12	V180ZA1P	
10	4	5.5	6	8	11	20	5	250	16	12.5	8.5	3	5	F3065-ND	.47	4.27	32.00	V8ZA2P
	6	8	—	16	30	5	250	16	12.5	8.5	3	5	F3359-ND	.47	4.27	32.00	V12ZA2P	
	14	18	18.7	22	26	43	5	500	16	12.5	8.5	3	5	F3061-ND	.47	4.27	32.00	V22ZA2P
	25	31	35	39	43	76	5	500	16	12.5	8.5	3	5	F3062-ND	.47	4.27	32.00	V39ZA3P
	30	38	42	47	52	93	5	500	16	12.5	8.5	3	5	F3063-ND	.47	4.27	32.00	V47ZA3P
	35	45	50	56	62	110	5	500	16	12.5	8.5	3	5	F3064-ND	.59	5.41	40.60	V56ZA3P
14	10	14	14.4	18	21.6	36	10	1000	20	17	8.5	3	5	F3066-ND	.59	5.41	40.60	V18ZA3P
	14	18	18.7	22	26	43	10	1000	20	17	8.5	3	5	F3067-ND	.75	6.95	52.16	V22ZA3P
	20	26	29.5	33	36.5	65	10	1000	20	17	8.5	3	5	F3068-ND	.59	5.41	40.60	V33ZA3P
	25	31	35	39	43	76	10	1000	20	17	8.5	3	5	F3069-ND	.59	5.41	40.60	V39ZA6P
	30	38	42	47	52	93	10	1000	20	17	8.5	3	5	F3070-ND	.59	5.41	40.60	V47ZA7P
	35	45	50	56	62	110	10	1000	20	17	8.5	3	5	F3071-ND	.59	5.41	40.60	V56ZA8P
	40	56	61	68	75	135	10	1000	20	17	8.5	3.5	5.6	F3072-ND	.59	5.41	40.60	V68ZA10P
	50	68	73	82	91	145	50	4500	20	17	8.5	3.5	5.6	F3073-ND	.75	6.95	52.16	V82ZA12P
	60	81	90	100	110	175	50	4500	20	17	8.5	3.5	5.6	F3074-ND	.59	5.41	40.60	V100ZA15P
	75	102	108	120	132	210	50	4500	20	17	8.5	3	5	F3075-ND	.59	5.41	40.60	V120ZA6P
	95	127	135	150	165	250	50	4500	20	17	8.5	3	5	F3076-ND	.59	5.41	40.60	V150ZA8P
	115	153	162	180	198	300	50	4500	20	17	8.5	3	5	F3077-ND	.59	5.41	40.60	V180ZA10P
20	10	14	14.4	18	21.6	37	20	2000	26.5	23	8.5	3	5	F3078-ND	.92	8.53	63.99	V18ZA40P
	14	18	19.2	24	26	43	20	2000	26.5	23	8.5	3	5	F3079-ND	.92	8.53	63.99	V24ZA50P
	17	22	23	27	31.1	53	20	2000	26.5	23	8.5	3	5	F3080-ND	.92	8.53	63.99	V27ZA60P
	21	27	29.5	33	36.5	68	20	2000	26.5	23	8.5	3	5	F3081-ND	.92	8.53	63.99	V33ZA70P
	23	31	32	36	40	53	20	2000	26.5	23	8.5	3	5	F3082-ND	.92	8.53	63.99	V36ZA80P
	30	38	42	47	52	93	20	2000	26.5	23	8.5	3	5	F3083-ND	.92	8.53	63.99	V47ZA20P

NEW! UltraMOV™ Series

Disc Diameter (mm)	Maximum Continuous Working Voltage†		Varistor Voltage @ 1mA DC‡		Maximum Clamping Voltage (8x20µs)‡		Peak Current (8x20µs)‡ I ^{pk} (A)†	Maximum Dimensions (mm)					Digi-Key Part No.	Pricing			Littelfuse Part No.
	V(RMS)	VDC	Minimum	Maximum	Vc (V)												