



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)†	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	.40	3.74	28.07	V150LA10AP	
	175	225	247	303	455	50	4500	20	17	8.5	3.5	5.6	F3018-ND	.40	3.74	28.07	V175LA10AP	
	230	300	324	396	595	50	4500	20	17	8.5	3.5	5.6	F3019-ND	.40	3.74	28.07	V230LA20AP	
	250	330	354	429	650	50	4500	20	17	8.5	3.5	5.6	F3020-ND	.40	3.74	28.07	V250LA20AP	
	275	369	389	473	710	50	4500	20	17	8.5	3.5	5.6	F3021-ND	.40	3.74	28.07	V275LA20AP	
	300	405	420	517	775	50	4500	20	17	8.5	3.5	5.6	F3022-ND	.40	3.74	28.07	V300LA20AP	
	320	420	462	565	850	50	4500	20	17	8.5	3.5	5.6	F3023-ND	.40	3.74	28.07	V320LA20AP	
	420	560	610	748	1120	50	4500	20.5	17	8.5	5.5	7.3	F3024-ND	.40	3.74	28.07	V420LA20AP	
	480	640	670	825	1240	50	4500	20.5	17	8.5	5.5	7.3	F3025-ND	.55	5.08	38.11	V480LA40AP	
	510	675	735	910	1350	50	4500	20.5	17	8.5	5.5	7.3	F3026-ND	.87	8.03	60.22	V510LA40AP	
	575	730	805	1000	1500	50	4500	20.5	17	8.5	5.5	8.3	F3027-ND	.87	8.03	60.22	V575LA40AP	
	660	850	940	1210	1820	50	4500	20.5	17	8.5	5.5	8.3	F3028-ND	1.36	12.56	94.24	V660LA50AP	
	1000	1200	1425	1800	2700	50	4500	20.5	17	8.5	5.5	10.8	F3029-ND	2.17	20.02	150.18	V1000LA80AP	
	20	130	175	184	228	340	100	6500	26.5	23	8.5	3.5	5.6	F3030-ND	.64	5.90	44.24	V130LA20AP
		130	175	184	220	325	100	6500	26.5	23	8.5	3.5	5.6	F3031-ND	.64	5.90	44.24	V130LA20BP
		130	175	184	228	340	100	9000	28	23	8.5	5.5	7.3	F3490-ND§	.87	8.03	60.22	V130LA20CP
150		200	212	268	395	100	6500	26.5	23	8.5	3.5	5.6	F3032-ND	.64	5.90	44.24	V150LA20AP	
150		200	212	243	360	100	6500	26.5	23	8.5	3.5	5.6	F3033-ND	.64	5.90	44.24	V150LA20BP	
250		330	354	429	650	100	6500	26.5	23	8.5	3.5	5.6	F3034-ND	.64	5.90	44.24	V250LA40BP	
250		330	354	413	620	100	6500	26.5	23	8.5	3.5	5.6	F3035-ND	.64	5.90	44.24	V250LA40BP	
275		369	389	473	710	100	6500	26.5	23	8.5	3.5	5.6	F3036-ND	.64	5.90	44.24	V275LA40AP	
275		369	389	453	680	100	6500	26.5	23	8.5	3.5	5.6	F3037-ND	.64	5.90	44.24	V275LA40BP	
300		405	420	517	775	100	6500	26.5	23	8.5	3.5	5.6	F3038-ND	.64	5.90	44.24	V300LA40AP	
320		420	462	540	810	100	6500	26.5	23	8.5	3.5	5.6	F3039-ND	.64	5.90	44.24	V320LA40BP	
420		560	610	720	1060	100	6500	28	23	8.5	5.5	7.3	F3040-ND	.75	6.96	52.23	V420LA40BP	
480		640	670	790	1160	100	6500	28	23	8.5	5.5	7.3	F3041-ND	.87	8.03	60.22	V480LA80BP	
510		675	735	860	1280	100	6500	28	23	8.5	5.5	7.3	F3042-ND	1.10	10.16	76.21	V510LA80BP	
575		730	805	960	1410	100	6500	28	23	8.5	5.5	8.3	F3043-ND	1.45	13.36	100.19	V575LA80BP	
625		825	900	1100	1650	100	6500	28	23	8.5	5.5	8.3	F3044-ND	1.94	17.89	134.20	V625LA80BP	
660		850	940	1100	1650	100	6500	28	23	8.5	5.5	8.3	F3045-ND	2.08	19.23	144.24	V660LA100BP	
1000		1200	1425	1600	2420	100	6500	28	23	8.5	5.5	10.8	F3046-ND	2.75	25.38	190.33	V1000LA160BP	

§ C-III Series

ZA Series

Disc Diameter (mm)	Maximum Continuous Working Voltage†		Varistor Voltage @ 1mA DC‡		Maximum Clamping Voltage (8x20µs)‡		Peak Current (8x20µs)†	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	.23	2.13	15.99	V22ZA05P	
	30	38	42	47	55	93	1	100	10	7	6	3	5	F3048-ND	.23	2.13	15.99	V47ZA05P	
	140	180	198	220	253	360	5	400	10	7	6	3.5	5.6	F3049-ND	.44	4.01	30.11	V220ZA05P	
	250	330	351	—	449	650	5	400	10	7	6	3.5	5.6	F3361-ND	.44	4.01	30.11	V390ZA05P	
7	4	5.5	6	8	11	22	2.5	100	12	9	6	3	5	F3059-ND	.35	3.20	23.98	V8ZA1P	
	10	14	14.4	18	21.6	36	2.5	250	12	9	6	3	5	F3050-ND	.32	2.95	22.12	V18ZA1P	
	14	18	18.7	22	26	43	2.5	250	12	9	6	3	5	F3051-ND	.23	2.13	15.99	V22ZA1P	
	17	22	23	27	31.1	53	2.5	250	12	9	6	3	5	F3052-ND	.23	2.13	15.99	V27ZA1P	
	20	26	29.5	33	36.5	65	2.5	250	12	9	6	3	5	F3053-ND	.23	2.13	15.99	V33ZA1P	
	25	31	35	39	43	79	2.5	250	12	9	6	3	5	F3054-ND	.23	2.13	15.99	V39ZA1P	
	30	38	42	47	52	93	2.5	250	12	9	6	3	5	F3055-ND	.23	2.13	15.99	V47ZA1P	
	35	45	50	56	62	110	2.5	250	12	9	6	3	5	F3056-ND	.23	2.13	15.99	V62ZA2P	
	40	56	61	68	75	135	2.5	250	12	9	6	3.5	5.6	F3057-ND	.23	2.13	15.99	V68ZA2P	
	50	68	73	82	91	135	10	1200	12	9	6	3.5	5.6	F3058-ND	.44	4.01	30.11	V82ZA2P	
	60	81	90	—	110	165	10	1200	12	9	6	3	5	F3358-ND	.23	2.13	15.99	V100ZA3P	
	75	102	108	120	132	205	10	1200	12	9	6	3	5	F3060-ND	.23	2.13	15.99	V120ZA1P	
115	153	162	—	198	300	10	1200	12	9	6	3	5	F3360-ND	.23	2.13	15.99	V180ZA1P		
10	4	5.5	6	8	11	20	5	250	16	12.5	8.5	3	5	F3065-ND	.32	2.95	22.12	V8ZA2P	
	6	8	—	16	30	5	250	16	12.5	8.5	3	5	F3359-ND	.32	2.95	22.12	V12ZA2P		
	14	18	18.7	22	26	43	5	500	16	12.5	8.5	3	5	F3061-ND	.32	2.95	22.12	V22ZA2P	
	25	31	35	39	43	76	5	500	16	12.5	8.5	3	5	F3062-ND	.32	2.95	22.12	V39ZA3P	
	30	38	42	47	52	93	5	500	16	12.5	8.5	3	5	F3063-ND	.32	2.95	22.12	V47ZA3P	
	35	45	50	56	62	110	5	500	16	12.5	8.5	3	5	F3064-ND	.40	3.74	28.07	V56ZA3P	
	10	14	14.4	18	21.6	36	10	1000	20	17	8.5	3	5	F3066-ND	.40	3.74	28.07	V18ZA3P	
	14	18	18.7	22	26	43	10	1000	20	17	8.5	3	5	F3067-ND	.52	4.81	36.06	V22ZA3P	
14	20	26	29.5	33	36.5	65	10	1000	20	17	8.5	3	5	F3068-ND	.40	3.74	28.07	V27ZA3P	
	25	31	35	39	43	76	10	1000	20	17	8.5	3	5	F3069-ND	.40	3.74	28.07	V32ZA3P	
	30	38	42	47	52	93	10	1000	20	17	8.5	3	5	F3070-ND	.40	3.74	28.07	V47ZA7P	
	35	45	50	56	62	110	10	1000	20	17	8.5	3	5	F3071-ND	.40	3.74	28.07	V56ZA8P	
	40	56	61	68	75	135	10	1000	20	17	8.5	3.5	5.6	F3072-ND	.40	3.74	28.07	V68ZA10P	
	50	68	73	82	91	145	50	4500	20	17	8.5	3.5	5.6	F3073-ND	.52	4.81	36.06	V82ZA12P	
	60	81	90	100	110	175	50	4500	20	17	8.5	3.5	5.6	F3074-ND	.40	3.74	28.07	V100ZA15P	
	75	102	108	120	132	210	50	4500	20	17	8.5	3	5	F3075-ND	.40	3.74	28.07	V120ZA6P	
	95	127	135	150	165	250	50	4500	20	17	8.5	3	5	F3076-ND	.40	3.74	28.07	V150ZA8P	
	115	153	162	180	198	300	50	4500	20	17	8.5	3	5	F3077-ND	.40	3.74	28.07	V180ZA10P	
	20	10	14	14.4	18	21.6	37	20	2000	26.5	23	8.5	3	5	F3078-ND	.64	5.90	44.24	V18ZA40P
		14	18	19.2	24	26	43	20	2000	26.5	23	8.5	3	5	F3079-ND	.64	5.90	44.24	V24ZA50P
17		22	23	27	31.1	53	20	2000	26.5	23	8.5	3	5	F3080-ND	.64	5.90	44.24	V27ZA60P	
21		27	29.5	33	36.5	65	20	2000	26.5	23	8.5	3	5	F3081-ND	.64	5.90	44.24	V32ZA70P	
23		31	32	36	40	63	20	2000	26.5	23	8.5	3	5	F3082-ND	.64	5.90	44.24	V36ZA80P	
30		38	42	47	52	93	20	2000	26.5	23	8.5	3	5	F3083-ND	.64	5.90	44.24	V47ZA20P	

UltraMOV™ Series

Disc Diameter (mm)	Maximum Continuous Working Voltage†		Varistor Voltage @ 1mA DC‡		Maximum Clamping Voltage (8x20µs)‡		Peak Current (8x20µs)†	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					