

DERF

ELECTRONICS CORPORATION

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METAL OXIDE VARISTORS

GE
CKE
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NEC
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PHILIPS
SANKEN
SIEMENS
STETRON
THOMSON
TOSHIBA

OVER 15 MILLION VARISTORS IN STOCK

FLYER 9710



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6VRMS 5mm

0.14 Joules 10/1000us

MFG GE V12ZA05

= TO HARRIS V12ZA05

Stock # 3216 Price Ea .07

10VRMS 20mm

80 Joules 10/1000us

MFG GE V18ZA40

= TO HARRIS V18ZA40

Stock # 11500 Price Ea .18

14VRMS 20mm

18 Joules 10/1000us

MFG GSI V24ZA50

= TO HARRIS V24ZA50

Stock # 18254 Price Ea .24

14VRMS 14mm

4 Joules 10/1000us

MFG MATS C14DK220B

= TO HARRIS V22ZA3

Stock # 22280 Price Ea .12

17VRMS 20mm

120 Joules 10/1000us

MFG GE V27ZA60

= TO HARRIS V27ZA60

Stock # 849 Price Ea .20

20VRMS 14mm

6 Joules 10/1000us

MFG GSI V33ZA5

= TO HARRIS V33ZA5

Stock # 18754 Price Ea .12

40VRMS 7mm

MFG SANKEN SNR-D68K2TP2

3 Joules 10/1000us

= TO HARRIS V68ZA2

Stock # 28367 Price Ea .06

60VRMS 14mm

20 Joules 10/1000us

MFG SANKEN SNR-D100K15

= TO HARRIS V100ZA15

Stock # 28428 Price Ea .12

60VRMS 5mm

2.5 Joules 10/1000us

MFG GE V100ZA05

= TO HARRIS V100ZA05

Stock # 892 Price Ea .05

75VRMS 5mm

3 Joules 10/1000us

MFG GE V120ZT05 T/R

= TO HARRIS V120ZA05

Stock # 490 Price Ea .06

75VRMS 7mm

6 Joules 10/1000us

MFG THOMSON VD09M00750K

= TO HARRIS V120ZA1

Stock # 18801 Price Ea .05

95VRMS 7mm

8 Joules 10/1000us

MFG THOMSON VE09050

= TO HARRIS V150ZA1

Stock # 19498 Price Ea .06

95VRMS 7mm

8 Joules 10/1000us

MFG PANA C07DK151

= TO HARRIS V150ZA1

Stock # 13604 Price Ea .06

95VRMS 20mm

65 Joules 10/1000us

MFG SIEMEN S20K95

= TO PANASONIC C20DK151

Stock # 3244 Price Ea .18

110VRMS 5mm

5 Joules 10/1000us

MFG GE V180ZA05

= TO HARRIS V180ZA05

Stock # 486 Price Ea .06

115VRMS 14mm

35 Joules 10/1000us

MFG GSI V180ZA10

= TO HARRIS V180ZA10

Stock # 18243 Price Ea .095

130VRMS 20mm

70 Joules 10/1000us

MFG MDC V131RA20

= TO HARRIS V130LA20

Stock # 21601 Price Ea .15

135VRMS 10mm

25 Joules 10/1000us

MFG STETRON 0216NR12D

= TO HARRIS V140LA5

Stock # 17182 Price Ea .075

140VRMS 20mm

75 Joules 10/1000us

MFG SANKEN SNR-221KD20

= TO PANA C20DK221

Stock # 28418 Price Ea .18

140VRMS 5mm

6 Joules 10/1000us

MFG GE V220ZA05

= TO HARRIS V220ZA05

Stock # 483 Price Ea .05

150VRMS 20mm

80 Joules 10/1000us

MFG MOV 150LA20A

= TO HARRIS V150LA20

Stock # 32222 Price Ea .24

150VRMS 20mm

80 Joules 10/1000us

MFG MDC V151RX20

= TO HARRIS V150LA20

Stock # 38321 Price Ea .22

175VRMS 14mm

55 Joules 10/1000us

MFG MARCON TNR15G271K

= TO HARRIS V175LA10

Stock # 37576 Price Ea .13

175VRMS 5mm

7.5 Joules 10/1000us

MFG GE V270ZT05 T/R

= TO HARRIS V270ZA05

Stock # 480 Price Ea .06

175VRMS 10mm

30 Joules 10/1000us

MFG SANKEN SNR271KD10S

= HARRIS V175LA5

Stock # 28368 Price Ea .075

175VRMS 5mm

7.5 Joules 10/1000us

MFG PANASONIC C05DK271

= TO HARRIS V270ZA05

Stock # 4949 Price Ea .06

210VRMS 5mm

7.5 Joules 10/1000us

MFG SANKEN SNR-331KD05S

= TO HARRIS V330ZA05

Stock # 28370 Price Ea .075

210VRMS 5mm

9 Joules 10/1000us

MFG GE V330ZA05

= TO HARRIS V330ZA05

Stock # 489 Price Ea .05

230VRMS 10mm

35 Joules 10/1000us

MFG SANKEN SNR361KD10S

= TO HARRIS V230LA10

Stock # 28395 Price Ea .085

230VRMS 14mm

70 Joules 10/1000us

MFG SIEMENS S14K230

= TO HARRIS V230LA20A

Stock # 23230 Price Ea .10

250VRMS 7mm

21 Joules 10/1000us

MFG PANASONIC C07DK391U

= TO HARRIS V250LA4

Stock # 36501 Price Ea .09

275VRMS14 mm

75 Joules 10/1000us

MFG THOMSON VE17M02750K

= TO HARRIS V275LA20

Stock # 19151 Price Ea .14

320VRMS 20mm

160 Joules 10/1000us

MFG SANKEN SNRA320K40S

= TO HARRIS V320LA40

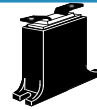
Stock # 28376 Price Ea .18

POWER VARISTOR SPECIALS



**130VRMS
PANASONIC
ERZ-C40CK201**

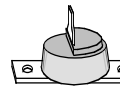
130VAC/170VDC
Clamping 340V @ 250 Amps
= TO HARRIS V131HA40
Price Ea./10M \$5.00



PANASONIC

**150VRMS
ERZ-C20EK241**

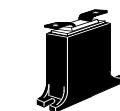
150VAC/200VDC
Clamping 395V @ 100 Amps
Surge Current 8000 Amps
Price Ea./10M \$2.50



**130VRMS
HARRIS
V130PA20B**

130VAC/175VDC
Clamping 360V @ 100 Amps
Surge Current 6500 Amps
Price Ea./10M \$4.50

**275VRMS
ERZ-C20EK431**
275VAC/350VDC
Clamping 710V @ 100 Amps
Surge Current 8000 Amps
Price Ea./10M \$2.50

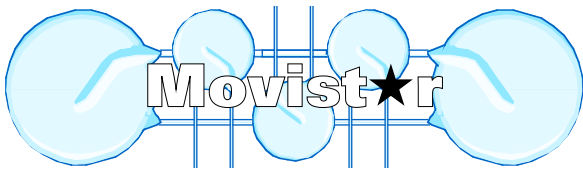


**250VRMS
SIEMENS
SIOV-B40K250**

250VAC/330VDC
Clamping 660V @ 1000Amps
Joules 1200(sp)
Peak Current 35000 Amps
Price Ea./10M \$9.95

**320RMS
ERZ-C20EL511**
320VAC/410VDC
Clamping 845V @ 100 Amps
Surge Current 8000 Amps
Price Ea./10M \$3.60

**385VRMS
ERZ-C20EK621**
385AC/505VDC
Clamping 1025V @ 100 Amps
Surge Current 8000 Amps
Price Ea./10M \$2.85



ELECTRONICS CORPORATION

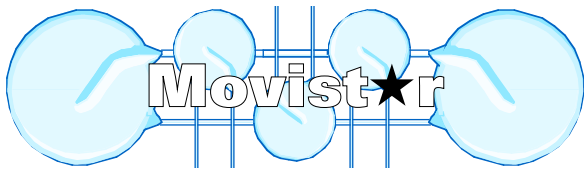
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Model #	MFG #	Size mm	RMS Voltage	DC Voltage	Test VDC @1mA	Joules (10/1000us)	Peak Current (8/20us)	Max Clamping (8/20 us)		Price Ea./M
								Vo	Amps	
18ZA05	180KD05	5	11	14	18	0.4	100	40	1	.13
18ZA1	180KD07	7	11	14	18	0.9	250	36	2.5	.14
18ZA2	180KD10	10	11	14	18	2.1	500	36	5	.15
18ZA3	180KD14	14	11	14	18	4.0	1000	36	10	.19
18ZA40	180KD20	20	11	14	18	11	2000	36	20	.325
22ZA05	220KD05	5	14	18	22	0.5	100	48	1	.132
22ZA1	220KD07	7	14	18	22	1.1	250	43	2.5	.135
22ZA2	220KD10	10	14	18	22	2.5	500	43	5	.156
22ZA3	220KD14	14	14	18	22	5.0	1000	43	10	.185
22ZA50	220KD20	20	14	18	22	14	2000	43	20	.31
27ZA05	270KD05	5	17	22	27	0.6	100	60	1	.12
27ZA1	270KD07	7	17	22	27	1.4	250	53	2.5	.14
27ZA2	270KD10	10	17	22	27	3.0	500	53	5	.15
27ZA4	270KD14	14	17	22	27	6.0	1000	53	10	.19
27ZA60	270KD20	20	17	22	27	18	2000	53	20	.32
33ZA05	330KD05	5	20	26	33	0.8	100	73	1	.125
33ZA1	330KD07	7	20	26	33	1.7	250	65	2.5	.135
33ZA2	330KD10	10	20	26	33	4.0	500	65	5	.156
33ZA5	330KD14	14	20	26	33	7.5	1000	65	10	.187
33ZA70	330KD20	20	20	26	33	23	2000	65	20	.32
39ZA05	390KD05	5	25	31	39	0.9	100	86	1	.12
39ZA1	390KD07	7	25	31	39	2.1	250	77	2.5	.125
39ZA3	390KD10	10	25	31	39	4.6	500	77	5	.15
39ZA6	390KD14	14	25	31	39	8.6	1000	77	10	.185
39ZA80	390KD20	20	25	31	39	26	2000	77	20	.31
47ZA05	470KD05	5	30	38	47	1.1	100	104	1	.12
47ZA1	470KD07	7	30	38	47	2.5	250	93	2.5	.13
47ZA3	470KD10	10	30	38	47	5.5	500	93	5	.16
47ZA7	470KD14	14	30	38	47	10	1000	93	10	.28
47ZA20	470KD20	20	30	38	47	33	2000	93	20	.315
56ZA05	560KD05	5	35	45	56	1.3	100	123	1	.105
56ZA2	560KD07	7	35	45	56	3.1	250	110	2.5	.135
56ZA3	560KD10	10	35	45	56	7.0	500	110	5	.156
56ZA8	560KD14	14	35	45	56	11	1000	110	10	.185
56ZA20	560KD20	20	35	45	56	41	2000	110	20	.32
68ZA05	680KD05	5	40	56	68	1.6	100	150	1	.115
68ZA2	680KD07	7	40	56	68	3.6	250	135	2.5	.125
68ZA3	680KD10	10	40	56	68	8.2	500	135	5	.145
68ZA10	680KD14	14	40	56	68	14	1000	135	10	.185
68ZA20	680KD20	20	40	56	68	46	2000	135	20	.325
82ZA05	820KD05	5	50	65	82	2.5	400	145	5	.112
82ZA2	820KD07	7	50	65	82	5.5	1200	135	5	.12
82ZA4	820KD10	10	50	65	82	12	2500	135	25	.144
82ZA12	820KD14	14	50	65	82	22	4500	135	50	.18
82ZA20	820KD20	20	50	65	82	38	6500	135	100	.28
100ZA05	101KD05	5	60	85	100	3.0	400	175	5	.112
100ZA3	101KD07	7	60	85	100	6.5	1200	165	5	.125
100ZA4	101KD10	10	60	85	100	15	2500	165	25	.144
100ZA15	101KD14	14	60	85	100	28	4500	165	50	.16
100ZA20	101KD20	20	60	85	100	45	6500	165	100	.27



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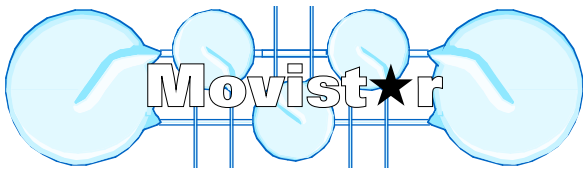
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120ZA05	121KD05	5	75	100	120	4.0	400	210	5	.11
120ZA1	121KD07	7	75	100	120	7.8	1200	200	5	.13
120ZA4	121KD10	10	75	100	120	18	2500	200	25	.145
120ZA6	121KD14	14	75	100	120	32	4500	200	50	.175
120ZA20	121KD20	20	75	100	120	55	6500	200	100	.29
150ZA05	151KD05	5	95	125	150	4.8	400	260	5	.10
150ZA1	151KD07	7	95	125	150	9.7	1200	250	5	.12
150ZA5	151KD10	10	95	125	150	22	2500	250	25	.13
150ZA10	151KD14	14	95	125	150	40	4500	250	50	.17
150ZA20	151KD20	20	95	125	150	70	6500	250	100	.285
180ZA05	181KD05	5	115	150	180	5.9	400	325	5	.115
180ZA1	181KD07	7	115	150	180	11.7	1200	300	5	.11
180ZA5	181KD10	10	115	150	180	27	2500	300	25	.144
180ZA10	181KD14	14	115	150	180	50	4500	300	50	.16
180ZA20	181KD20	20	115	150	180	85	6500	300	100	.27
200ZA05	201KD05	5	130	175	200	5.0	400	355	5	.11
130LA2	201KD07	7	130	175	200	15	1200	340	10	.115
130LA5	201KD10	10	130	175	200	32	2500	340	25	.14
130LA10A	201KD14	14	130	175	200	57	4500	340	50	.16
130LA20A	201KD20	20	130	175	200	80	6500	325	100	.24
220ZA05	221KD05	5	140	180	220	6.0	400	380	5	.11
140LA2	221KD07	7	140	180	220	15	1200	360	10	.115
140LA5	221KD10	10	140	180	220	36	2500	360	25	.15
140LA10A	221KD14	14	140	180	220	60	4500	360	50	.18
140LA20A	221KD20	20	140	180	220	90	6500	360	100	.27
240ZA05	241KD05	5	150	200	240	7.0	400	415	5	.105
150LA2	241KD07	7	150	200	240	17	1200	395	10	.115
150LA5	241KD10	10	150	200	240	40	2500	395	25	.14
150LA10A	241KD14	14	150	200	240	65	4500	395	50	.16
150LA20A	241KD20	20	150	200	240	95	6500	360	100	.24
270ZA05	271KD05	5	175	225	270	8.5	400	475	5	.11
175LA2	271KD07	7	175	225	270	18	1200	455	10	.125
175LA5	271KD10	10	175	225	270	40	2500	455	25	.145
175LA10A	271KD14	14	175	225	270	70	4500	455	50	.17
175LA20A	271KD20	20	175	225	270	127	6500	455	100	.27
300ZA05	301KD05	5	190	250	300	9.0	400	520	5	.12
200LA4	301KD07	7	190	250	300	20	1200	500	10	.12
200LA10	301KD10	10	190	250	300	42	2500	500	25	.15
200LA20A	301KD14	14	190	250	300	77	2500	500	50	.18
200LA40A	301KD20	20	190	250	300	136	6500	500	100	.29
330ZA05	331KD05	5	210	275	330	9.5	400	570	5	.115
210LA4	331KD07	7	210	275	330	23	1200	550	10	.13
210LA10	331KD10	10	210	275	330	43	2500	550	25	.145
210LA20A	331KD14	14	210	275	330	85	4500	550	50	.175
210LA40A	331KD20	20	210	275	330	150	6500	550	100	.29
360ZA05	361KD05	5	230	300	360	10	400	620	5	.115
230LA4	361KD07	7	230	300	360	25	1200	595	10	.135
230LA10	361KD10	10	230	300	360	47	2500	595	25	.14
230LA20A	361KD14	14	230	300	360	93	4500	595	50	.18
230LA40A	361KD20	20	230	300	360	163	6500	595	100	.27



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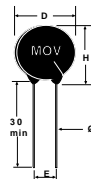
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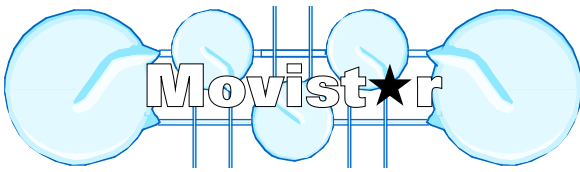
Model #	MFG #	Size mm	RMS Voltage	DC Voltage	Test VDC @1mA	Joules (10/1000us)	Peak Current (8/20us)	Max Clamping (8/20 us) Vo	Amps	Price Ea./M
390ZA05	391KD05	5	250	320	390	12	400	675	5	.11
250LA4	391KD07	7	250	330	390	25	1200	650	10	.12
250LA10	391KD10	10	250	320	390	60	2500	650	25	.14
250LA20A	391KD14	14	250	330	390	100	4500	650	50	.17
250LA40A	391KD20	20	250	320	390	180	6500	620	100	.26
430ZA05	431KD05	5	275	350	430	13	400	745	5	.11
275LA4	431KD07	7	275	350	430	28	1200	710	10	.125
275LA10	431KD10	10	275	350	430	65	2500	710	25	.14
275LA20A	431KD14	14	275	350	430	115	4500	710	50	.175
275LA40A	431KD20	20	275	350	430	190	6500	710	100	.30
470ZA05	471KD05	5	300	385	470	15	400	818	5	.11
300LA4	471KD07	7	300	385	470	30	1200	775	10	.12
300LA10	471KD10	10	300	385	470	70	2500	775	25	.145
300LA20A	471KD14	14	300	385	470	125	4500	775	50	.17
300LA40A	471KD20	20	300	385	470	220	6500	775	100	.30
350LA4	561KD07	7	350	460	560	44	1200	925	10	.145
350LA10	561KD10	10	350	460	560	70	2500	925	25	.20
350LA20A	561KD14	14	350	460	560	125	4500	850	50	.28
350LA40A	561KD20	20	350	460	560	220	6500	925	100	.45
385LA4	621KD07	7	385	505	620	50	1200	1025	10	.145
385LA10	621KD10	10	385	505	620	70	2500	1025	25	.21
385LA20A	621KD14	14	385	505	620	125	4500	1025	50	.29
385LA40A	621KD20	20	385	505	620	220	6500	1025	100	.50
420LA4	681KD07	7	420	560	680	56	1200	1120	10	.145
420LA10	681KD10	10	420	560	680	70	2500	1120	25	.195
420LA20A	681KD14	14	420	560	680	130	4500	1120	50	.30
420LA40A	681KD20	20	420	560	680	230	6500	1120	100	.52
460LA10	751KD10	10	460	615	750	75	2500	1240	25	.21
460LA20A	751KD14	14	460	615	750	143	4500	1240	50	.31
460LA40A	751KD20	20	460	615	750	255	6500	1240	100	.56
480LA10	781KD10	10	485	640	780	80	2500	1290	25	.22
480LA40A	781KD14	14	485	640	780	148	4500	1280	50	.28
480LA80A	781KD20	20	485	640	780	265	6500	1280	100	.55
510LA10	821KD10	10	510	670	821	85	2500	1355	25	.21
510LA40A	821KD14	14	510	670	821	157	4500	1350	50	.30
510LA80A	821KD20	20	510	675	821	282	6500	1355	100	.56
550LA40A		14	550	700	910	120	4500	1500	50	.375
550LA80A		20	550	700	910	220	6500	1500	100	.61
5550LA80B		20	550	700	910	220	6500	1410	100	.65
575LA40A		14	575	745	920	120	4500	1500	50	.65
575LA80A		20	575	745	920	220	6500	1500	100	.65
575LA80B		20	575	745	920	220	6500	1410	100	.65
600LA50A		14	625	825	1000	130	4500	1650	50	.67
600LA100A		20	625	825	1000	230	6500	1650	100	.67
660LA50A		14	680	895	1100	140	4500	1815	50	.69
660LA100A		20	680	895	1100	250	6500	1815	100	.69
660LA100B		20	680	895	1100	250	6500	1650	100	.69
1000LA80A		14	1000	1465	1800	240	4500	2970	50	.76
1000LA160A		20	1000	1465	1800	400	6500	2970	100	1.11
1000LA160B		20	1000	1465	1800	400	6500	2700	100	1.21

MOVISTAR OUTLINE DIMENSIONS mm

SERIES	D MAX	H MAX	Ø	E ±0.8
KD05	7.5	10.5	0.6	5.0
KD07	9.0	12.0	0.6	5.0
KD10	14.0	17.0	0.8	7.5
KD14	17.0	20.0	0.8	7.5
KD20	25.0	28.0	1.0	10.0



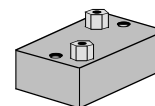
**SAFETY STANDARD
 RECOGNIZED MOV**
 UL1449 File No. E167172,
 UL1414 File No. E167173,
 CSA Certificate No. LR701155



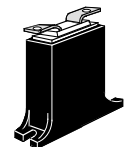
Model #	Case Type	RMS Voltage	DC Voltage	Test VDC @1mA	Joules (10/1000us)	Peak Current (8/20us)	Max Clamping (8/20 us)		Price Ea./C	Price Ea./M
							Vo	Amps		
130HE4	HE	130	175	200	200	25000	330	200	13.50	Call
130HE6	HE	130	175	200	370	40000	320	200	15.50	
150HE4	HE	150	200	240	220	25000	385	200	13.50	
150HE5	HE	150	200	240	400	40000	375	200	15.50	
250HE4	HE	250	330	390	330	25000	635	200	13.50	
250HE6	HE	250	330	390	650	40000	620	200	15.50	
275HE4	HE	275	369	430	360	25000	690	200	13.50	
275HE6	HE	275	369	430	700	40000	685	200	15.50	
320HE4	HE	320	420	510	390	25000	830	200	13.50	
320HE6	HE	320	420	510	750	40000	810	200	15.50	
420HE4	HE	420	560	680	400	25000	1050	200	15.50	
420HE6	HE	420	560	680	850	40000	1000	200	17.50	
480HE4	HE	480	640	750	450	25000	1160	200	15.50	
480HE6	HE	480	640	750	900	40000	1120	200	17.50	
510HE4	HE	510	675	820	500	25000	1280	200	15.50	
510HE6	HE	510	675	820	950	40000	1250	200	17.50	
575HE4	HE	575	730	910	550	25000	1500	200	15.50	
575HE6	HE	575	730	910	1050	40000	1480	200	17.50	
600HE4	HE	600	810	1000	575	25000	1650	200	15.50	
600HE6	HE	600	810	1000	1100	40000	1620	200	17.50	
660HE4	HE	660	850	1050	600	25000	1780	200	15.50	
660HE6	HE	660	850	1050	1250	40000	1740	200	17.50	
Model #	Case Size mm	RMS Voltage	DC Voltage	Varistor Voltage	Joules Rating (2ms)	Peak Current (8/20us)	Max Clamping (8/20 us)		Price Ea./C	Price Ea./M
							Vo	Amps		
32K130	55x60	130	170	205	210	25000	340	200	9.50	Call
40K130	55x60	130	170	205	310	40000	340	300	9.95	
32K150	55x60	150	200	240	240	25000	395	200	9.50	
40K150	55x60	150	200	240	360	40000	395	300	9.95	
32K230	55x60	230	300	360	300	25000	595	200	11.95	
40K230	55x60	230	300	360	460	40000	595	300	12.50	
32K250	55x60	250	320	390	330	25000	650	200	11.95	
40K250	55x60	250	320	390	490	40000	650	300	12.50	
32K275	55x60	275	350	430	360	25000	710	200	11.95	
40K275	55x60	275	350	430	550	40000	710	300	12.50	
32K320	55x60	320	420	510	430	25000	840	200	11.95	
40K320	55x60	320	420	510	640	40000	840	300	12.50	
32K385	55x60	385	505	620	550	25000	1025	200	11.95	
40K385	55x60	385	505	620	800	40000	1025	300	12.50	
32K420	55x60	420	560	680	600	25000	1120	200	11.95	
40K420	55x60	420	560	680	910	40000	1120	300	12.50	
32K480	55x60	480	615	750	520	25000	1240	200	13.14	
40K480	55x60	480	615	750	780	40000	1240	300	13.75	
32K510	55x60	510	670	820	570	25000	1360	200	13.14	
40K510	55x60	510	670	820	860	40000	1360	300	13.75	
32K550	55x60	550	745	910	620	25000	1500	200	13.14	
40K550	55x60	550	745	910	960	40000	1500	300	13.75	
32K680	55x60	680	895	1100	760	25000	1815	200	13.14	
40K680	55x60	680	895	1100	1100	40000	1815	300	13.75	
32K750	55x60	750	1060	1200	800	25000	2000	200	13.74	
40K750	55x60	750	1060	1200	1200	40000	2000	300	14.37	

Varistor Safety Recommendations

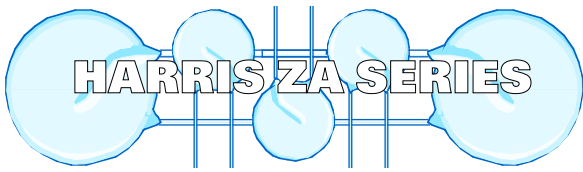
Due to the inherently unpredictable nature of transients, it is possible that a varistor may be subjected to surges significantly in excess of its rated transient current and energy. This may result in failure by package rupture and expulsion of hot material. To prevent damage to other components or possible ignition of flammable materials, the varistor should be physically shielded from them.



HE SERIES



32 / 40K SERIES



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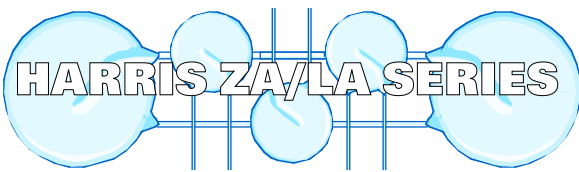
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MFG #	Size mm	RMS Voltage	DC Voltage	Test VDC @1mA	Joules (10/ 1000us)	Peak Current (8/20us)	Max Clamping Vo Amps		Price Ea./M
V8ZA05	5	4	5.5	8.2	0.1	55	30	2	.128
V8ZA1	7	4	5.5	8.2	0.4	100	22	2.5	.16
V8ZA2	10	4	5.5	8.2	0.8	250	20	5	.33
V12ZA05	5	6	8	12	0.14	50	37	2	.128
V12ZA1	7	6	8	12	0.6	100	34	2.5	.184
V12ZA2	10	6	8	12	1.2	250	30	5	.28
V18ZA05	5	10	14	18	0.17	100	36	1	.128
V18ZA1	7	10	14	18	0.8	250	36	2.5	.152
V18ZA2	10	10	14	18	1.5	500	36	5	.20
V18ZA3	14	10	14	18	3.5	1000	36	10	.248
V18ZA40	20	10	14	18	80 *	2000	37	20	.32
V22ZA05	5	14	18	22	0.2	100	43	1	.128
V22ZA1	7	14	18	22	0.9	250	43	2.5	.144
V22ZA2	10	14	18	22	2.0	500	43	5	.155
V22ZA3	14	14	18	22	4.0	1000	43	10	.248
V24ZA50	20	14	18	24	100 *	2000	43	20	.42
V27ZA05	5	17	22	27	0.25	100	53	1	.128
V27ZA1	7	17	22	27	1.0	250	53	2.5	.144
V27ZA2	10	17	22	27	2.5	500	53	5	.20
V27ZA4	14	17	22	27	5.0	1000	53	10	.248
V27ZA60	20	17	22	27	120 *	2000	50	20	.32
V33ZA05	5	20	26	33	0.3	100	65	1	.128
V33ZA1	7	20	26	33	1.2	250	65	2.5	.152
V33ZA2	10	20	26	33	3.0	500	65	5	.155
V33ZA5	14	20	26	33	6.0	1000	65	10	.208
V33ZA70	20	21	27	33	150 *	2000	58	20	.416
V36ZA80	20	23	31	36	160 *	2000	63	20	.416
V39ZA05	5	25	31	39	0.35	100	79	1	.128
V39ZA1	7	25	31	39	1.5	250	79	2.5	.135
V39ZA3	10	25	31	43	3.5	500	79	5	.155
V39ZA6	14	25	31	39	7.2	1000	76	10	.304
V39ZA20	20	25	31	39	20	2000	76	20	Call
V47ZA05	5	30	38	47	0.4	100	93	1	.125
V47ZA1	7	30	38	47	1.8	250	93	2.5	.128
V47ZA3	10	30	38	47	4.5	500	93	5	.155
V47ZA7	14	30	38	47	8.8	1000	93	10	.24
V47ZA20	20	30	38	47	23	2000	93	20	Call
V56ZA05	5	35	45	56	0.5	100	110	1	.128
V56ZA2	7	35	45	56	2.3	250	110	2.5	.16
V56ZA3	10	35	45	56	5.5	500	110	5	.155
V56ZA8	14	35	45	56	10	1000	110	10	.464
V56ZA20	20	35	45	56	30	2000	110	20	Call
V68ZA05	5	40	56	68	0.6	100	135	1	.128
V68ZA2	7	40	56	68	3.0	250	135	2.5	.135
V68ZA3	10	40	56	68	6.5	500	135	5	.155
V68ZA10	14	40	56	68	13	1000	135	10	.49
V68ZA20	20	40	56	68	33	2000	135	20	.325
V82ZA05	5	50	66	82	2.0	400	135	5	.128
V82ZA2	7	50	66	82	4.0	1200	135	10	.224
V82ZA4	10	50	66	82	8.0	2500	135	25	.336
V82ZA12	14	50	66	82	15	4500	145	50	.464
V100ZA05	5	60	81	100	2.5	400	165	5	.128



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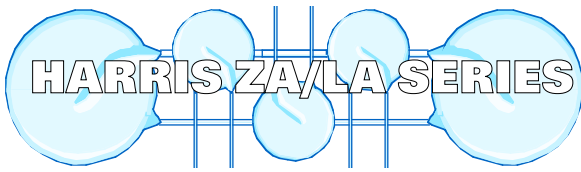
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MFG #	Size mm	RMS Voltage	DC Voltage	Test VDC @1mA	Joules (10/ 1000us)	Peak Current (8/20us)	Max Clamping Vo	Amps	Price Ea./M
V100ZA3	7	60	81	100	5.0	1200	165	10	.184
V100ZA4	10	60	81	100	10	2500	165	25	.192
V100ZA15	14	60	81	100	20	4500	175	50	.296
V120ZA05	5	75	102	120	3.0	400	205	5	.144
V120ZA1	7	75	102	120	6.0	1200	205	10	.184
V120ZA4	10	75	102	120	12	2500	200	25	.224
V120ZA6	14	75	102	120	22	4500	210	50	.296
V120ZA20	20	75	102	120	33	6500	210	100	Call
V150ZA05	5	92	127	150	4.0	400	250	5	.128
V150ZA1	7	95	127	150	8.0	1200	250	10	.144
V150ZA4	10	95	127	150	15	2500	250	25	.20
V150ZA8	14	95	127	150	30	4500	255	50	.296
V150ZA20	20	95	127	150	45	6500	250	100	Call
V180ZA05	5	110	153	180	5.0	400	295	5	.128
V180ZA1	7	115	153	180	10	1200	300	10	.152
V180ZA5	10	115	153	180	18	2500	300	25	.20
V180ZA10	14	115	153	180	35	4500	300	50	.296
V180ZA20	20	115	153	180	52	6500	300	100	Call
V205ZA05	5	130	170	205	5.5	400	340	5	.128
V220ZA05	5	140	180	220	6.0	400	360	5	.128
V240ZA05	5	150	200	240	7.0	400	395	5	.128
V270ZA05	5	175	225	270	7.5	400	455	5	.128
V330ZA05	5	210	275	330	9.0	400	540	5	.128
V360ZA05	5	230	300	360	9.5	400	595	5	Call
V390ZA05	5	250	330	390	10	400	650	5	.208
V430ZA05	5	275	369	430	11	400	710	5	.128
V470ZA05	5	300	385	470	12	400	775	5	Call
V620ZA05	5	385	505	445	13	400	1025	5	Call
V680ZA05	5	420	560	680	14	400	1120	5	Call
V715ZA05	5	440	585	715	15	400	1180	5	Call
V750ZA05	5	460	615	750	17	400	1240	5	Call
V130LA1	7	130	175	200	11	1200	390	10	.12
V130LA2	7	130	175	200	11	1200	340	10	.128
V130LA5	10	130	175	200	20	2500	340	25	.184
V130LA10A	14	130	175	200	38	4500	340	50	.224
V130LA20A	20	130	175	200	70	6500	340	100	.296
V130LA20B	20	130	175	200	70	6500	325	100	.312
V140LA2	7	140	180	220	12	1200	360	10	.12
V140LA5	10	140	180	220	22	2500	360	25	.208
V140LA10A	14	140	180	220	42	4500	360	50	.28
V140LA20A	20	140	180	200	75	6500	340	100	Call
V150LA1	7	150	200	240	13	1200	430	10	.128
V150LA2	7	150	200	240	13	1200	395	10	.128
V150LA5	10	150	200	240	25	2500	395	25	.184
V150LA10A	14	150	200	240	45	4500	395	50	.224
V150LA20A	20	150	200	240	80	6500	395	100	.296
V150LA20B	20	150	200	240	80	6500	360	100	.312
V175LA2	7	175	225	270	15	1200	455	10	.144
V175LA5	10	175	225	270	30	2500	455	25	.20
V175LA10A	14	175	225	270	55	4500	455	50	.224
V175LA20A	20	175	225	270	90	6500	455	100	.27



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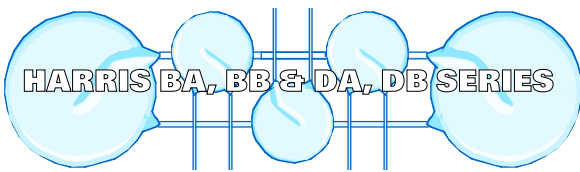
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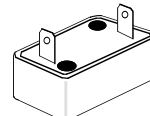
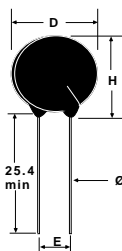
MFG #	Size mm	RMS Voltage	DC Voltage	Test VDC @1mA	Joules (10/ 1000us)	Peak Current (8/20us)	Max Clamping Vo	Price Amps	Ea./M
V230LA4	7	230	300	360	20	1200	595	10	.144
V230LA10	10	230	300	360	35	2500	595	25	.208
V230LA20A	14	230	300	360	70	4500	595	50	.232
V230LA40A	20	230	300	360	122	4500	595	50	Call
V250LA2	7	250	330	390	21	1200	730	10	.144
V250LA4	7	250	330	390	21	1200	659	10	.144
V250LA10	10	250	330	390	40	2500	650	25	.184
V250LA20A	14	250	330	390	72	4500	650	50	.224
V250LA40A	20	250	330	390	130	6500	650	100	.26
V250LA40B	20	250	330	390	130	6500	620	100	.312
V275LA2	7	275	369	430	23	1200	775	10	.144
V275LA4	7	275	369	430	23	1200	710	10	.144
V275LA10	10	275	369	430	45	2500	710	25	.184
V275LA20A	14	275	369	430	75	4500	710	50	.224
V275LA40A	20	275	369	430	140	6500	710	100	.296
V275LA40B	20	275	369	430	140	6500	680	100	.312
V300LA2	7	300	405	470	25	1200	870	10	.152
V300LA4	7	300	405	470	25	1200	775	10	.16
V300LA10	10	300	405	470	46	2500	775	25	Call
V300LA20A	14	300	405	470	77	4500	775	50	Call
V300LA40A	20	300	405	470	165	6500	775	100	Call
V320LA7	7	320	420	510	25	1200	850	10	Call
V320LA10	10	320	420	510	48	2500	850	25	.224
V320LA20A	14	320	420	510	90	4500	850	50	.28
V320LA40B	20	320	420	510	160	6500	810	100	.36
V385LA7	7	385	505		27	1200	1025	10	Call
V385LA10	10	385	505		51	2500	1025	25	Call
V385LA20A	14	385	505		85	4500	1025	50	Call
V385LA40B	20	385	505		160	6500	1025	100	Call
V420LA7	7	420	560	680	30	1200	1120	10	Call
V420LA10	10	420	560	680	55	2500	1120	25	.224
V420LA20A	14	420	560	680	90	4500	1120	50	.30
V420LA40B	20	420	560	680	160	6500	1060	100	.44
V460LA7	7	460	615		37	1200	1130	10	Call
V480LA7	7	480	649	750	35	1200	1240	10	Call
V480LA10	10	480	640	750	60	2500	1240	120	Call
V480LA40A	14	480	640	750	105	4500	1240	50	.32
V480LA80B	20	480	640	750	180	6500	1160	100	.55
V510LA10	10	510	675	820	63	2500	1350	25	Call
V510LA40A	14	510	675	820	110	4500	1350	50	.30
V510LA80B	20	510	675	820	190	6500	1280	100	.56
V575LA10	10	575	730	910	65	2500	1500	25	Call
V575LA40A	14	575	730	919	120	4500	1500	50	.44
V575LA80B	20	575	730	910	220	6500	1410	100	.64
V625LA10	10	625	825		67	4500	1820	25	Call
V625LA40A	14	625	825		125	4500	1820	50	Call
V625LA80B	20	625	825		230	6500	1650	100	Call
V660LA10	10	660	850	1210	70	2500	1820	50	Call
V660LA50A	14	660	850	1210	140	4500	1820	50	.48
V660LA100B	20	660	850	1050	250	6500	1650	100	.56
V1000LA80	14	1000	1200	1600	220	4500	2700	50	\$1.08
V1000LA160B	20	1000	1200	1600	360	6500	2420	100	\$1.20



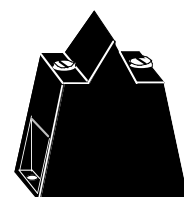
MFG #	Type Case	RMS Voltage	DC Voltage	Test VDC @1mA	Joules (10/1000us)	Peak Current (8/20us)	Clamping Vo	Amps	Price Ea./M
V131BA60	BA	130	175	200	450	50000	340	200	Call
V151BA60	BA	150	200	240	530	50000	400	200	
V251BA60	BA	250	330	390	880	50000	620	200	
V271BA60	BA	275	369	430	950	50000	680	200	
V321BA60	BA	320	420	510	1100	50000	760	200	
V421BA60	BA	420	560	680	1500	70000	1060	200	
V481BA60	BA	480	640	750	1600	70000	1160	200	
V511BA60	BA	510	675	820	1800	70000	1300	200	
V571BA60	BA	575	730	910	2100	70000	1420	200	
V661BA60	BA	660	850	1050	2300	70000	1640	200	
V751BA60	BA	750	970	1200	2600	70000	1880	200	
V881BA60	BA	880	1150	1500	3200	70000	2340	200	
V112BB60	BB	1100	1400	1800	3800	70000	2940	200	
V142BB60	BB	1400	1750	2200	5000	70000	3600	200	
V172BB60	BB	1700	2150	2700	6000	70000	4300	200	
V202BB60	BB	2000	2500	3300	7500	70000	5200	200	
V242BB60	BB	2400	3000	3900	8600	70000	6200	200	
V822BB60	BB	2800	3500	4700	10000	70000	7400	200	
V130DA40	DA	130	175	200	270	30000	345	200	
V130DB40	DB	130	175	200	270	30000	345	200	
V151DA40	DA	150	200	240	300	30000	404	200	
V151DB40	DB	150	200	240	300	30000	404	200	
V251DA40	DA	250	330	390	370	30000	650	200	
V251DB40	DB	250	330	390	370	30000	650	200	
V271DA40	DA	275	369	430	400	30000	730	200	
V271DB40	DB	275	369	430	400	30000	730	200	
V321DA40	DA	320	420	510	460	30000	830	200	
V321DB40	DB	320	420	510	460	30000	830	200	
V421DA40	DA	420	560	680	600	40000	1130	200	
V421DB40	DB	420	560	680	600	40000	1130	200	
V481DA40	DA	480	640	750	650	40000	1240	200	
V481DB40	DB	480	640	750	650	40000	1240	200	
V511DA40	DA	510	675	820	700	40000	1350	200	
V511DB40	DB	510	675	820	700	40000	1350	200	
V571DA40	DA	575	730	910	770	40000	1480	200	
V571DB40	DB	575	730	910	770	40000	1480	200	
V661DA40	DA	660	850	1050	900	40000	1720	200	
V661DB40	DB	660	850	1050	900	40000	1720	200	
V751DA40	DA	750	970	1200	1050	40000	2000	200	
V751DB40	DB	750	970	1200	1050	40000	2000	200	

HARRIS OUTLINE DIMENSIONS mm

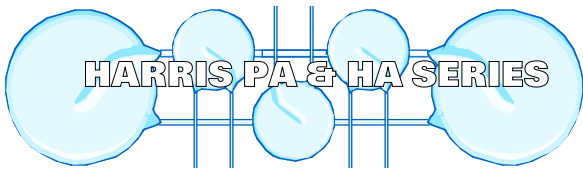
SERIES	D MAX	H MAX	Ø MAX	E MAX
LA&ZA05	7.5	10.0	0.685	6.0
LA&ZA07	9.0	12.0	0.685	6.0
LA&ZA10	12.5	16.0	0.86	8.5
LA&ZA14	17.0	20.0	0.86	8.5
LA&ZA20	23.0	26.5	0.86	8.5



DB SERIES



DA SERIES



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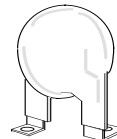
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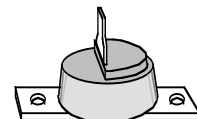
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MFG #	Type Case	RMS Voltage	DC Voltage	Test VDC @1mA	Joules (10/1000us)	Peak Current (8/20us)	Clamping Vo	Amps	Price Ea./M
V130PA20A	PA	130	175	200	70	6500	360	100	Call
V130PA20C	PA	130	175	200	70	6500	325	100	
V150PA20A	PA	150	200	240	80	6500	420	100	
V150PA20C	PA	150	200	240	80	6500	360	100	
V250PA20A	PA	250	330	390	130	6500	675	100	
V250PA20C	PA	250	330	390	130	6500	620	100	
V275PA20A	PA	275	369	430	140	6500	740	100	
V275PA20C	PA	275	369	430	140	6500	680	100	
V320PA20A	PA	320	420	510	160	6500	850	100	
V320PA20C	PA	320	420	510	160	6500	800	100	
V420PA20A	PA	420	560	680	170	6500	1160	100	
V420PA20C	PA	420	560	680	170	6500	1150	100	
V480PA20A	PA	480	640	750	180	6500	1280	100	
V480PA20C	PA	480	640	750	180	6500	1160	100	
V510PA20A	PA	510	675	820	190	6500	1410	100	
V510PA20C	PA	510	675	820	190	6500	1280	100	
V575PA20A	PA	575	730	910	220	6500	1560	100	
V575PA20C	PA	575	730	910	220	6500	1410	100	
V660PA20A	PA	660	850	1050	250	6500	1820	100	
V660PA20C	PA	660	850	1050	250	6500	1650	100	
V131HA32	32	130	175	200	200	25000	350	200	
V131HA40	40	130	175	200	270	30000	345	200	
V151HA32	32	150	200	240	220	25000	410	200	
V151HA40	40	150	200	240	300	30000	405	200	
V251HA32	32	250	330	390	330	25000	650	200	
V251HA40	40	251	330	390	370	40000	630	200	
V271HA32	32	275	369	430	360	25000	710	200	
V271HA40	40	275	369	430	400	40000	690	200	
V321HA32	32	320	420	510	390	25000	845	200	
V321HA40	40	320	420	510	460	40000	825	200	
V421HA32	32	420	560	680	400	25000	1120	200	
V421HA40	40	420	560	680	600	40000	1100	200	
V481HA32	32	480	640	750	450	25000	1290	200	
V481HA40	40	480	640	750	650	40000	1230	200	
V511HA32	32	510	675	820	500	25000	1355	200	
V511HA40	40	510	675	820	700	40000	1295	200	
V571HA32	32	575	730	910	550	25000	1570	200	
V571HA40	40	575	730	910	770	40000	1570	200	
V661HA32	32	660	850	1050	600	25000	1820	200	
V661HA40	40	660	850	1050	900	40000	1720	200	
V751HA32	32	750	970	1200	700	25000	2050	200	
V751HA40	40	750	970	1200	1050	40000	2000	200	

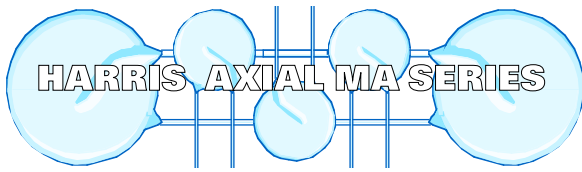
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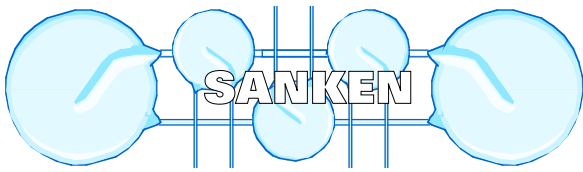
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MFG #	Dia. Size mm	RMS Voltage	DC Voltage	Test VDC @1mA	Joules (10/ 1000us)	Peak Current (8/20us)	Clamping Vo @ 2A	Price Ea./M
V18MA1A	3	9	13	18	0.06	40	49	.29
V18MA1B	3	10	14	18	0.07	40	44	.42
V18MA1S	3	10	14	18	0.06	40	49	.36
V22MA1A	3	10	15	22	0.09	40	55	.29
V22MA1B	3	14	18	22	0.1	40	51	.305
V22MA1S	3	14	18	22	0.09	40	55	.36
V27MA1A	3	13	19	27	0.1	40	67	.29
V27MA1B	3	17	22	27	0.11	40	59	.42
V27MA1S	3	17	22	27	0.10	40	67	.36
V33MA1A	3	18	23	33	0.13	40	73	.29
V33MA1B	3	20	26	33	0.15	40	67	.42
V33MA1S	3	20	26	33	0.14	40	73	.36
V39MA2A	3	22	28	39	0.16	40	86	.29
V39MA2B	3	25	31	39	0.18	40	79	.42
V39MA2S	3	25	31	39	0.17	40	86	.36
V47MA2A	3	27	34	47	0.19	40	99	.29
V47MA2B	3	30	38	47	0.21	40	90	.42
V47MA2S	3	30	38	47	0.19	40	99	.36
V56MA2A	3	32	40	56	0.23	40	117	.305
V56MA2B	3	35	45	56	0.25	40	108	.43
V56MA2S	3	35	45	56	0.23	40	117	.224
V68MA3A	3	38	48	68	0.26	40	138	.36
V68MA3B	3	40	56	68	0.30	40	127	.305
V68MA3S	3	40	56	68	0.27	40	138	.43
V82MA3A	3	45	60	82	0.33	40	163	.36
V82MA3B	3	50	66	82	0.37	40	150	.31
V82MA3S	3	50	66	82	0.34	40	163	.43
V100MA4A	3	57	72	100	0.40	40	200	.36
V100MA4B	3	60	81	100	0.45	40	185	.40
V100MA4S	3	60	81	100	0.42	40	200	.40
V120MA1A	3	72	97	120	0.40	100	220	.30
V120MA2B	3	75	101	120	0.50	100	205	.36
V120MA2S	3	75	101	120	0.46	100	220	.36
V150MA1A	3	88	121	150	0.5	100	255	.36
V150MA2B	3	92	127	150	0.60	100	240	.36
V180MA1A	3	105	144	180	0.6	100	310	.30
V180MA3B	3	110	152	270	0.70	100	290	.36
V220MA2A	3	132	181	220	0.80	100	380	.30
V220MA4B	3	138	191	220	0.90	100	360	.36
V270MA2A	3	163	224	270	0.90	100	460	.36
V270MA4B	3	171	235	270	1.0	100	440	.30
V330MA2A	3	188	257	330	1.0	100	570	.26
V330MA5B	3	200	274	330	1.1	100	540	.42
V390MA3A	3	234	322	390	1.2	100	670	.30
V390MA6B	3	242	334	390	1.3	100	640	.43
V430MA3A	3	253	349	430	1.50	100	740	.31
V430MA7B	3	264	356	430	1.7	100	700	.30



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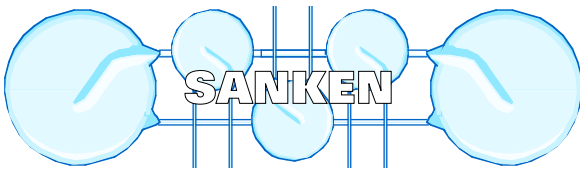
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MFG #	Size mm	RMS Voltage	DC Voltage	Test VDC @1 mA	Joules (10/ 1000us)	Peak Current (8/20us)	Max. Clamping Volts	Amps	Price Ea/M
SNR-120MD07	7	6	8	12	0.6	125	30	2.5	.065
SNR-180LD07	7	11	14	18	0.8	250	38	2.5	.075
SNR-180LD14	14	11	14	18	3.5	1000	38	10	.14
SNR-D24K1S	7	15	20	24	0.95	250	52	5	.085
SNR-D24K4S	14	15	20	24	4.5	1000	48	10	.16
SNR-D27L1	7	17	22	27	1.0	250	57	5	.095
SNR-270KD14	14	17	22	27	5	1000	53	10	.16
SNR-330KD05	5	20	27	33	0.6	100	73	1	.058
SNR-330KD14	14	20	27	33	6	1000	65	10	.16
SNR-D33K70S	20	21	27	33		2000	58	20	.32
SNR-470KD07	7	30	38	47	1.8	250	93	2.5	.082
SNR-470KD14	14	30	38	47	8.8	1000	93	10	.184
SNR-7D56K2	7	35	45	56	2.3	250	107	5	.136
SNR-560KD14TP1	14	35	45	56	10	1000	110	10	.168
SNR-680KD05TP3	5	40	56	68	1.2	100	150	1	.065
SNR-68K2TP2	7	40	56	68	1.6	250	127	5	.08
SNR-680KD14LC2	14	40	56	68	13	1000	135	10	.165
SNR-101KD05	5	60	85	100	2	400	172	5	.06
SNR-101KD07	7	60	85	100	5	1200	165	10	.072
SNR-D100K3	7	60	85	100	8.4	1200	165	10	.095
SNR-101KD14	14	60	85	100	20	4500	165	50	.16
SNR-D100K15	14	60	85	100	20	4500	165	50	.16
SNR-121KD05	5	75	102	120	2.5	400	210	5	.058
SNR-121KD10S	10	75	102	120	12	2500	200	25	.11
SNR-121KD14	15	75	102	120	22	4500	200	50	.16
SNR-151KD10S	10	95	127	150	15	2500	250	25	.11
SNR-151KD14	14	95	127	150	30	4500	250	50	.158
SNR-D180K1	7	115	153	180	10	1200	295	10	.12
SNR-201KD05	5	130	175	205	4.0	400	355	5	.058
SNR-201KD07	7	130	175	205	11	1200	340	10	.064
SNR-130K10	14	130	175	205	38	4500	340	50	.14
SNR-201KD20S	20	130	175	205	70	6500	340	100	.22
SNR-A130K20	20	130	175	205	70	6500	340	100	.22
SNR-221KD20S	20	140	185	220	75	6500	360	100	.22
SNR-241KD05	5	150	200	240	5	400	415	5	.058
SNR-A150K2	7	150	200	200	13	1200	390	10	.069
SNR-271KD07	7	175	225	270	15	1200	455	10	.071
SNR-271KD10S	10	175	225	270	30	2500	455	25	.10
SNR-331KD05	5	210	270	330	7.5	400	570	5	.071
SNR-331KD10	10	210	270	330	35	2500	540	25	.10
SNR-331KD20	20	210	270	330	110	6500	540	100	.272
SNR-361KD10S	10	230	300	360	35	2500	595	25	.10
SNR-S361K20S	20	230	300	360	180	9000	595	100	.20
SNR-391KD07TP	7	250	330	390	21	1200	650	10	.065
SNR-431KD05	5	275	370	430	9	400	745	5	.069
SNR-431KD14LC2	14	275	370	430	75	4500	710	50	.15



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MFG #	Size mm	RMS Voltage	DC Voltage	Test VDC @ 1 mA	Joules (10/ 1000us)	Peak Current (8/20us)	Max. Clamping Volts	Amps	Price Ea./M
SNR-471KD07	7	300	405	470	25	1200	775	10	.07
SNR-471K20S	20	300	405	470	250	9000	775	100	.21
SNR-A320K40S	20	320	420	514	160	6500	850	100	.24
SNR-561KD10	10	350	460	560	45	2500	910	25	.18
SNR-561KD14	14	350	460	560	85	4500	910	50	.28
SNR-621KD10	10	385	505	620	45	2500	1025	25	.21
SNR-621KD14	14	385	505	620	85	4500	1025	50	.29
SNR-621KD20S	20	385	505	620	150	6500	1025	100	.50
SNR-A420K40S	20	420	560	679	160	6500	1120	100	.396
SNR-A420J40S	20	420	560	650	160	6500	1060	100	.396
SNR-681KD20S	20	420	560	680	160	6500	1120	100	.396
SNR-751KD10	10	460	615	750	50	2500	1240	25	.19
SNR-A460K40S	20	460	615	739	170	6500	1220	100	.504
SNR-751KD20S	20	460	615	750	175	6500	1240	100	.504
SNR-A480K80S	20	480	640	770	180	6500	1270	100	.495
SNR-781KD20S	20	485	640	780	185	6500	1290	100	.50
SNR-A510K80S	20	510	675	820	190	6500	1350	100	.504
SNR-821KD20S	20	510	675	820	190	6500	1355	100	.504
SNR-911KD10	10	550	745	910	125	4500	1500	50	.40
SNR-A575K80S	20	575	730	923	220	6500	1520	100	.576
SNR-102KD10	10	625	825	1000	68	2500	1650	25	.40
SNR-102KD14	14	625	825	1000	136	4500	1650	50	Call
SNR-112KD10S	10	680	895	1100	75	2500	1815	25	.40
SNR-112KD14	14	680	895	1100	152	4500	1815	50	.544

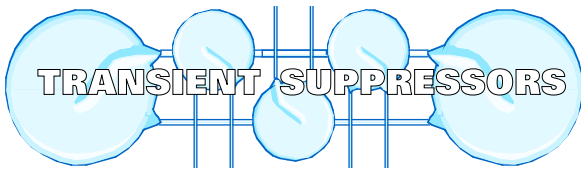


MFG	MFG #	PKG Type	DC Breakdown Nominal Voltage (VDC)	Tol. Min.Max.	Impulse Breakdown @ 100V/μs (Max. Voltage)	Stock #	price Ea./M
CLARE	CG2-250L	Axial	250	15%	650	31645	.65
CLARE	CG2-350L	Axial	350	15%	750	11289	.66
SNKO	Y08-242R2	Axial	2.4kv	20%	3kv	25051	.98
CLARE	CG3-1.5L	Axial	1.5Kv	1275	2200	38280	.90
COMMUNICATION TYPES, HEAVY DUTY							
SANK	3YVP-145L1	3 Ele.	145	20%	600	22540	Call
TII	TII-71-04	3 Ele.	350/500		750	34608	.60
SIEM	T61-C350	3 Ele.	350			38473	Call
CLARE	PMT3(310)400-10	3 Ele.	400	300/500	750	36599	.96



Resettable fuses are circuit protection devices to protect electronic circuits against over current . When excessive high currents above the devices rating, it latches a high-resistance protective by the device heating up. Only after the device has cooled down and the fault corrected will the device reset.

Device #	Pkg type	Lead Lgth.	Max Volts	Rated current hold	current trip	(ohms) initial	Recognized by	Price Ea./M
RDE070A-1	8MM dia.	1.25"	60	0.75	150	0.40	UL	Call
RVE135	8MM sq	.5"	30	1.35	2.70	0.08	UL, CSA, TUV	Call



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MFG Number	Type	Nom. V(br)	I(pp)	Clamping V(cl)	Pkg	Price Ea./M
P6KE6.8C	Bi	6.8	55	10.8	DO-15	.304
P6KE6.8CA	Bi	6.8	57	10.5	DO-15	.24
P6KE6.8A	Uni	6.8	57	10.5	DO-15	.192
1N6267A	Uni	6.8	143	10.5	DO-201	.22
P5KE5.0	Uni	7.3	52	9.6	DO-15	.22
BZW04-6V4	Uni	7.5	35.4	11.3	DO-15	.22
P6KE7V5A	Uni	7.5	53	11.3	DO-15	.216
1.5KE7.5A	Uni	7.5	132	11.3	DO-201	.20
1N6269A	Uni	8.2	124	12.1	DO-201	.41
P6KE8.2A	Uni	8.2	50	12.1	DO-201	.192
N6270A	Uni	9.1	112	13.4	DO-201	.58
1N6271A	Uni	10	103	14.5	DO-201	.41
1.5KE10P	Uni	10	103	14.5	DO-201	.372
P6KE10C	Bi	10	40	15	DO-15	.252
P6KE10CA	Bi	10	41	14.5	DO-15	.25
P6KE11C	Bi	11	37	16.2	DO-15	.252
1N6273A	Uni	12	90	16.7	DO-201	.345
1.5KE12A	Uni	12	90	16.7	DO-201	.345
P6KE13C	Bi	13	32	19	DO-15	.252
P6KE13ARL	Uni	13	33	18.2	DO-15	.216
1.5KE13A	Uni	13	82	18.2	DO-201	.288
1N6274A	Uni	13	82	18.2	DO-201	.29
SAB12	Uni	14	28	21	DO-15	.296
P6KE15A	Uni	15	28	21	DO-15	.216
P6KE15C	Bi	15	27	22	DO-15	.252
1.5KE15A	Uni	15	71	21.2	DO-201	.28
1N6275A	Uni	15	71	21.2	DO-201	.345
1N6276A	Uni	16	67	22.5	DO-201	.345
1.5KE16CA	Bi	16	67	22.5	DO-201	.39
P6KE16A	Uni	16	27	22.5	DO-15	.192
1.5KE18A	Uni	18	59.5	25.2	DO-201	.216
1.5KE18C	Bi	18	59.5	25.2	DO-201	.38
P6KE18	Uni	18	24	26.5	DO-15	.216
1N6277A	Uni	18	59	25.2	DO-201	.345
P6KE20A	Uni	20	22	27.7	DO-15	.216
1.5KE22C	Uni	22	47	31.9	DO-201	.403
P6KE22A	Uni	22	20	30.6	DO-15	.18
1.5KE24A	Uni	24	33	54	DO-201	.30
P6KE24A	Uni	24	18	33.2	DO-15	.192
P6KE27C	Bi	27	38.5	39.1	DO-15	.252
P6KE27A	Uni	27	16	37.5	DO-15	.216
P6KE30A	Uni	30	14.4	41.4	DO-15	.18
1.5KE30A	Uni	30	36	41.4	DO-201	.28

MFG Number	Type	Nom. V(br)	I(pp)	Clamping V(cl)	Pkg	Price Ea./M
P6KE33A	Uni	33	33	45.7	DO-15	.216
1.5KE36CA	Bi	36	29	52	DO-201	.403
P6KE39A	Uni	39	12.2	53.9	DO-15	.216
BZW04-33	Uni	39	7.4	53.9	DO-15	.22
1N6286A	Uni	43	25.3	59.3	DO-201	.345
1.5KE43A	Uni	43	25.3	59.3	DO-201	.307
1N6287	Uni	47	23.2	64.8	DO-201	.345
1.5KE51A	Uni	51	21.4	70.1	DO-201	.307
1.5KE56CA	Bi	56	19.5	77	DO-201	.307
1N6289A	Uni	56	19.5	77	DO-201	.307
P6KE56A	Uni	56	7.8	77	DO-15	.216
1N6290A	Uni	62	17.7	85	DO-201	.453
1N6290C	Bi	62	16.9	89	DO-201	.453
1.5KE62CA	Bi	62	16.9	89	DO-201	.403
1N6291A	Uni	68	16.3	92	DO-201	.345
1.5KE68CA	Bi	68	15.3	98	DO-201	.453
P6KE68A	Uni	68	6.5	92	DO-15	.21
BZW50-56	Uni	69	50	99.6	DO-15	.29
P6KE75CA	Bi	75	5.5	108	DO-15	.342
P6KE75A	Uni	75	5.8	103	DO-15	.216
1N6293A	Uni	82	13.3	113	DO-201	.345
BZW50-68	Uni	84	41	121	DO-201	.19
1N6294A	Uni	91	12	125	DO-201	.345
BZW06-78	Uni	91	4.8	125	DO-15	.18
P6KE91A	Uni	91	4.8	125	DO-15	.216
1N6296A	Uni	110	9.9	152	DO-201	.486
1.5KE110A	Uni	110	9.9	152	DO-201	.40
P6KE130A	Uni	130	3.3	179	DO-15	.252
1N6299A	Uni	150	7.2	207	DO-201	.486
1.5KE150A	Uni	150	7.2	207	DO-201	.40
1.5KE160A	Uni	160	6.8	219	DO-201	.486
P6KE160C	Bi	160	6.5	230	DO-15	.54
P6KE170A	Uni	170	2.6	234	DO-15	.252
1N6301A	Uni	170	6.4	234	DO-201	.486
1.5KE170A	Uni	170	6.4	234	DO-201	.40
P6KE180A	Uni	180	2.4	246	DO-15	.252
1N6303A	Uni	200	5.5	274	DO-201	.486
P6KE250CA	Bi	250	2.0	344	DO-201	.45
1.5KE250	Uni	250	5.0	360	DO-201	.518
1.5KE250CA	Bi	250	5.0	344	DO-201	.52
P6KE300A	Bi	300	1.6	414	DO-201	.42
1.5KE400CA	Bi	400	4.0	548	DO-201	.52
BZW04-376B	Bi	440	0.8	603	DO-41	.65

V(br) = NOMINAL BREAKDOWN VOLTAGE, I(pp) = PEAK PULSE CURRENT, V(cl) = CLAMPING VOLTAGE

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