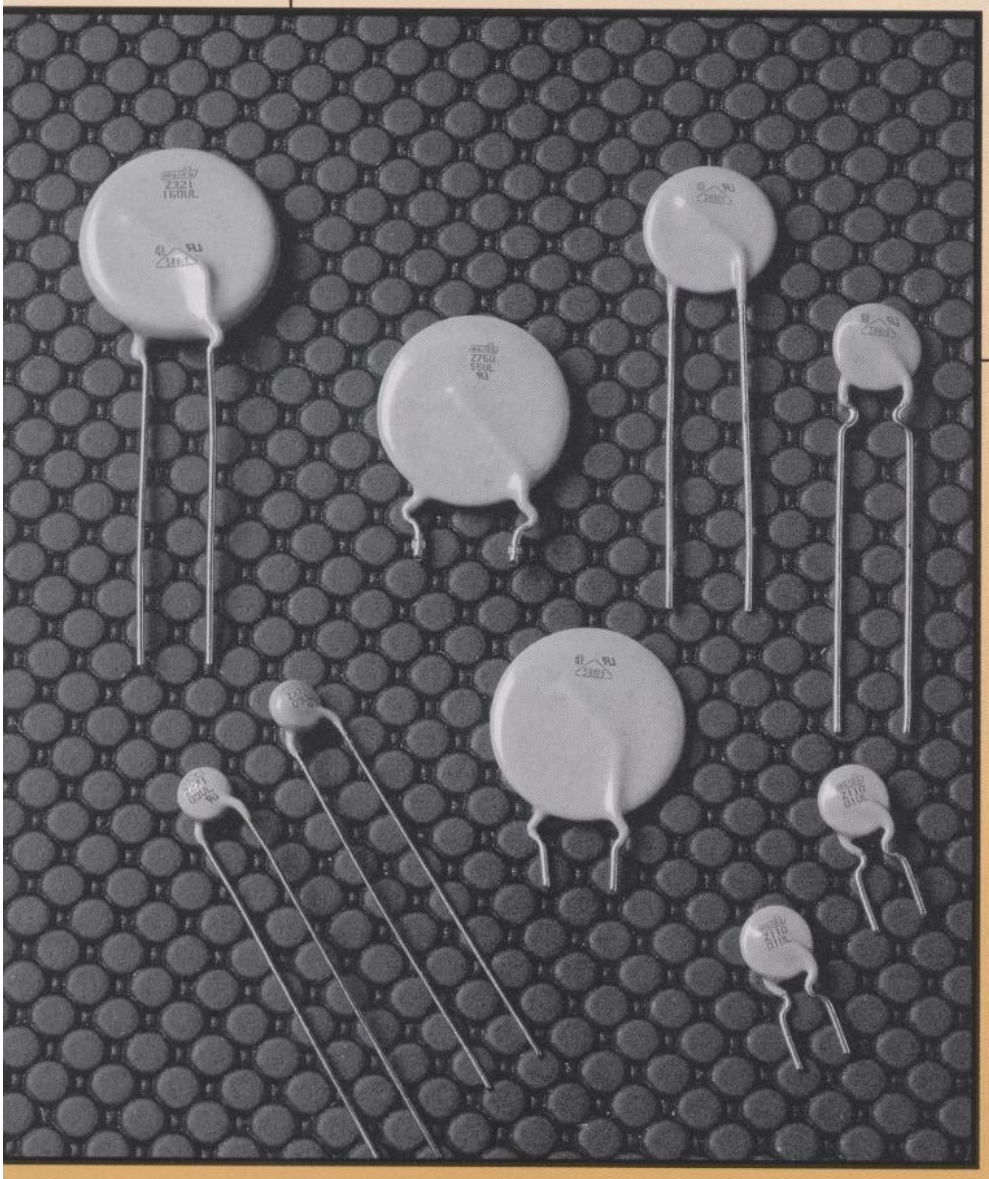


STANDARD SERIES

maida

INTRODUCTION

The Standard Series is our broadest and most comprehensive line of radial-leaded varistors. These components consist of wire leads and have nominal disk diameters from 5mm to 25mm. They are available with maximum continuous operating voltages (MCOV) ranging from 11VAC to 1000VAC.

The Standard Series is designed to handle most low and medium power applications requiring through-hole components. Most sizes are available in TAPE AND REEL AND AMMO PACK.

Style Designation

The Maida style number is the primary means to identify our components when ordered. The style number identifies several parameters that are important for the characteristics of the device.

D _ _ _ _ ZOV _ _ _ RA _ _ _

1. **Coating Designation**
   D – Standard Epoxy Coating
   No code with 31 lead code denotes no coating.
2. **Nominal Disk Diameter**
   58 – 5mm
   73 – 7mm
   61 – 10mm
   71 – 11mm
   62 – 12mm
   69 – 14mm
   63 – 18mm
   65 – 20mm
   66 – 25mm
3. **Lead Configuration** code (refer to lead codes)
4. **Material Identifier**, zinc-oxide varistor
5. **AC Voltage Rating** code, two significant figures plus number of zeroes that follow, e.g. 511 is 510 VAC
6. **Special Instructions** code, RA is standard
7. **Energy Rating** code, up to three numbers (refer to ratings tables)

An example of a typical Maida style number is D6521ZOV151RA20. This style number displays a nominal disk size of 20mm, a standard lead code showing straight wire leads, a maximum AC continuous operating voltage of 150 VAC.

Standard Marking

Minimum marking information shall consist of an abbreviated style designation and, when space is available, the manufacturer's initials "MDC" or the company logo.

For example:
MDC
Z511
110UL

Where:
Z – Represents "ZOV"
511 – AC voltage rating code
110 – Energy rating code
UL – UL recognition if applicable

A manufacturing date code is available upon request. Other safety agency designations are included if applicable.

How to Order the Standard Series

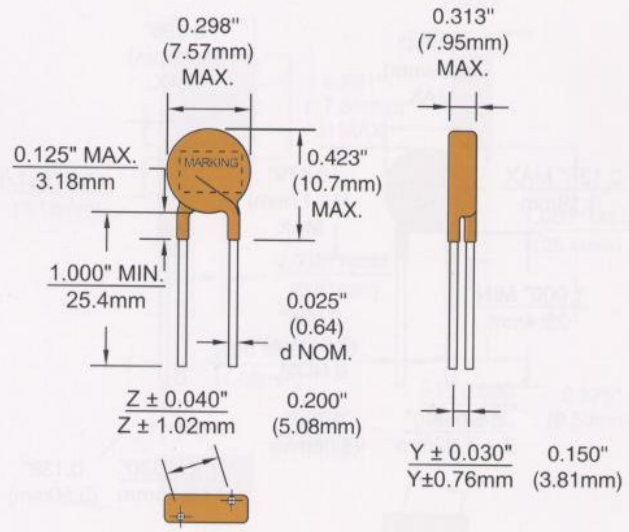
The following specifications tables provide a way to match the Maida style number to a varistor that provides the necessary specifications for a specific application. Once the general style number is obtained, it will be necessary to determine the required lead configuration. Custom lead configurations are available.

Maida ordering code may be used for our Standard varistors.

5mm Disc

Maida Ordering Code	Maida Style Number	Recognitions To Safety Agency Standards						Minimum Marking	Maximum Ratings						Electrical Characteristics				
									Continuous		Transient								
									Applied Voltage		Energy		Peak Current 8 x 20 µsec # Pulses		Varistor Voltage @1 mA DC		Max Clamping Voltage (@Test Current)		Typical Cap.
											10 x 1000 µsec	8 x 20 µsec	1	2					1 V rms @1kHz
		A	B	C	D	E	F		(AC)	(DC)	(J)	(J)	(A)	(A)	Vmin (V)	Vmax (V)	(8 x 20 µsec) (V)	(A)	(pF)
DV05K110	D58ZOV110RA00	X				X		Z110-00UL	11	14	0.6	N/A	250	125	16	20	40	1	2200
DV05K140	D58ZOV140RA00	X				X		Z140-00UL	14	18	0.7	N/A	250	125	20	24	48	1	2000
DV05K170	D58ZOV170RA00	X				X		Z170-00UL	17	22	0.9	N/A	250	125	24	30	60	1	1600
DV05K200	D58ZOV200RA00	X				X		Z200-00UL	20	26	1.1	N/A	250	125	30	36	73	1	1675
DV05K250	D58ZOV250RA01	X				X		Z250-01UL	25	31	1.2	N/A	250	125	35	43	86	1	1417
DV05K300	D58ZOV300RA01	X				X		Z300-01UL	30	38	1.5	N/A	250	125	42	52	99	1	1176
DV05K350	D58ZOV350RA01	X				X		Z350-01UL	35	45	1.8	N/A	250	125	50	62	117	1	987
DV05K400	D58ZOV400RA01	X				X		Z400-01UL	40	56	2.2	N/A	250	125	61	75	138	1	438
DV05K500	D58ZOV500RA01	X				X		Z500-01UL	50	66	3.5	N/A	800	600	74	90	163	5	364
DV05K600	D58ZOV600RA01	X				X		Z600-01UL	60	81	4.5	N/A	800	600	90	110	190	5	299
DV05K750	D58ZOV750RA01	X				X		Z750-01UL	75	102	5.5	N/A	800	600	108	132	220	5	249
DV05K950	D58ZOV950RA01	X				X		Z950-01UL	95	127	6.6	N/A	800	600	135	165	240	5	118
DV05K121	D58ZOV121RA02	X				X		Z121-02UL	120	160	8	N/A	800	600	170	207	310	5	118
DV05K131	D58ZOV131RA02	X		X	X	X		Z131-02UL	130	175	8.5	8.5	800	600	184	224	350	5	116
DV05K141	D58ZOV141RA02	X		X	X	X		Z141-02UL	140	180	9	9	800	600	198	242	380	5	111
DV05K151	D58ZOV151RA02	X		X	X	X		Z151-02UL	150	200	10.5	10.5	800	600	212	259	430	5	101
DV05K181	D58ZOV181RA02	X		X	X	X		Z181-02UL	180	230	11	11	800	600	255	311	510	5	87
DV05K211	D58ZOV211RA07	X				X		Z211-07UL	210	270	13	13	800	600	297	363	545	5	74
DV05K231	D58ZOV231RA08	X				X		Z231-08UL	230	300	16	16	800	600	326	397	595	5	68
DV05K251	D58ZOV251RA08	X				X		Z251-08UL	250	330	17	17	800	600	354	432	675	5	62
DV05K271	D58ZOV271RA09	X				X		Z271-09UL	270	360	20	20	800	600	382	466	740	5	58
DV05K301	D58ZOV301RA10	X				X		Z301-10UL	300	390	21	21	800	600	425	518	810	5	52
DV05K321	D58ZOV321RA11	X				X		Z321-11UL	320	420	21	21	800	600	453	553	850	5	49
DV05K361	D58ZOV361RA12	X				X		Z361-12UL	360	470	22	22	800	600	522	638	960	5	42
DV05K391	D58ZOV391RA13	X				X		Z391-13UL	390	500	25	25	800	600	552	674	1040	5	40
DV05K421	D58ZOV421RA14	X				X		Z421-14UL	420	560	26	26	800	600	594	725	1130	5	37
DV05K461	D58ZOV461RA17							Z461-17	460	615	25	25	800	600	651	795	1240	5	34

NOTES:
Appendix A lists the single-pulse peak current and energy ratings on file with the Safety Agencies.
Maximum transient rating specified in this table are valid. They may differ from those shown in Appendix A.
A = UL1449 File E86730 - Transient Voltage Surge Suppression
B = UL1414 File E38785 - Across - The Line Applications
C = CSA C22.2 File LR33468
D = VDE/CECC 42000/42201 & IEC 1051
E = UL497B - File E180012
F = SEV - 96.7 70250.01



Other lead configurations are available upon request.

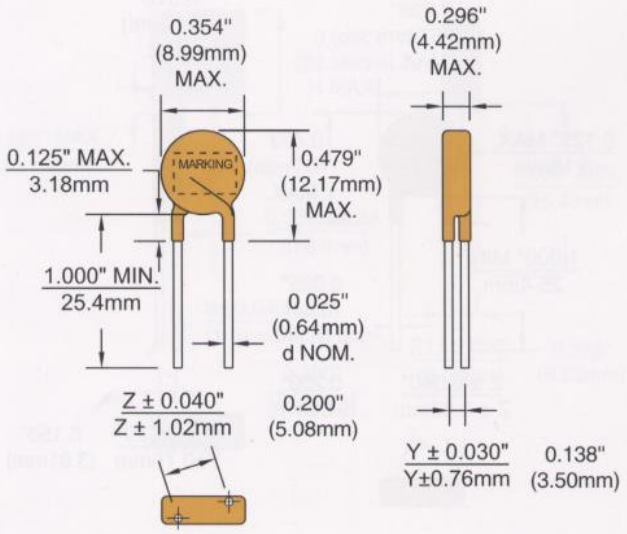
SPECIFICATIONS

7mm Disc

Maida Ordering Number	Maida Style Number	Recognitions To Safety Agency Standards						Minimum Marking	Maximum Ratings						Electrical Characteristics				
									Continuous		Transient								
									Applied Voltage		Energy		Peak Current 8 x 20 μsec # Pulses		Varistor Voltage @1 mA DC		Max Clamping Voltage (@Test Current)		Typical Cap.
											10 x 1000 μsec	8 x 20 μsec							1 V rms
		A	B	C	D	E	F		(AC)	(DC)	(J)	(J)	1 (A)	2 (A)	Vmin (V)	Vmax (V)	(8 x 20 μsec) (V)	(A)	@1kHz (pF)
DV07K110	D73ZOV110RA01	X				X		Z110-00UL	11	14	0.6	N/A	500	250	16	20	36	2.5	3500
DV07K140	D73ZOV140RA01	X				X		Z140-01UL	14	18	1.3	N/A	500	250	20	24	43	2.5	2800
DV07K170	D73ZOV170RA01	X				X		Z170-01UL	17	22	1.6	N/A	500	250	24	30	53	2.5	2000
DV07K200	D73ZOV200RA01	X				X		Z200-01UL	20	26	2	N/A	500	250	30	36	65	2.5	3614
DV07K250	D73ZOV250RA02	X				X		Z250-02UL	25	31	2.4	N/A	500	250	35	43	77	2.5	3058
DV07K300	D73ZOV300RA02	X				X		Z300-02UL	30	38	2.8	N/A	500	250	42	52	93	2.5	2537
DV07K350	D73ZOV350RA02	X				X		Z350-02UL	35	45	3.4	N/A	500	250	50	62	110	2.5	2130
DV07K400	D73ZOV400RA03	X				X		Z400-03UL	40	56	5.2	N/A	500	250	61	75	135	2.5	945
DV07K500	D73ZOV500RA02	X				X		Z500-02UL	50	66	7	N/A	1750	1250	74	90	147	10	767
DV07K600	D73ZOV600RA02	X				X		Z600-02UL	60	81	9	N/A	1750	1250	90	110	180	10	629
DV07K750	D73ZOV750RA02	X				X		Z750-02UL	75	102	11	N/A	1750	1250	108	132	220	10	524
DV07K950	D73ZOV950RA03	X				X		Z950-03UL	95	127	25	N/A	3500	2500	135	165	255	25	469
DV07K121	D73ZOV121RA03	X	X	X		X		Z121-03UL	120	160	16	N/A	1750	1250	170	207	320	10	255
DV07K131	D73ZOV131RA03	X	X	X	X	X		Z131-03UL	130	175	17.5	17.5	1750	1250	184	224	340	10	250
DV07K141	D73ZOV141RA03	X	X	X	X	X		Z141-03UL	140	180	20	20	1750	1250	198	242	360	10	232
DV07K151	D73ZOV151RA03	X	X	X	X	X		Z151-03UL	150	200	21	21	1750	1250	212	259	395	10	212
DV07K181	D73ZOV181RA03	X	X	X	X	X		Z181-03UL	180	230	24	24	1750	1250	255	311	445	10	182
DV07K211	D73ZOV211RA18	X	X	X	X	X		Z211-18UL	210	270	28	28	1750	1250	297	363	545	10	154
DV07K231	D73ZOV231RA20	X	X	X	X	X		Z231-20UL	230	300	32	32	1750	1250	326	397	595	10	141
DV07K251	D73ZOV251RA21	X	X	X	X	X		Z251-21UL	250	330	35	35	1750	1250	354	432	650	10	131
DV07K271	D73ZOV271RA23	X	X	X	X	X		Z271-23UL	270	360	40	40	1750	1250	382	466	710	10	212
DV07K301	D73ZOV301RA25	X	X	X	X	X		Z301-25UI	300	390	42	42	1750	1250	425	518	790	10	108
DV07K321	D73ZOV321RA27	X	X	X		X		Z321-27UL	320	420	46	46	1750	1250	453	553	850	10	102
DV07K361	D73ZOV361RA28	X	X	X		X		Z361-28UL	360	470	47	47	1750	1250	522	638	960	10	88
DV07K391	D73ZOV391RA29	X	X	X		X		Z391-29UL	390	500	51	51	1750	1250	552	674	1040	10	83
DV07K421	D73ZOV421RA30	X	X	X		X		Z421-30UL	420	560	57	57	1750	1250	594	725	1120	10	77

NOTES:
Appendix A lists the single-pulse peak current and energy ratings on file with the Safety Agencies.
Maximum transient rating specified in this table are valid. They may differ from those shown in Appendix A.

A = UL1449 File E86730 - Transient Voltage Surge Suppression
B = UL1414 File E38785 - Across - The Line Applications
C = CSA C22.2 File LR33468
D = VDE/CECC 42000/42201 & IEC 1051
E = UL497B - File E180012
F = SEV - 96.7 70250.01



Other lead configurations are available upon request.

10mm Disc

Maida Ordering Number	Maida Style Number	Recognitions To Safety Agency Standards						Minimum Marking	Maximum Ratings						Electrical Characteristics				
									Continuous		Transient				Varistor Voltage @1 mA DC		Max Clamping Voltage (@Test Current)		Typical Cap.
									Applied Voltage		Energy		Peak Current 8 x 20 μsec # Pulses						1 V rms
											10 x 1000 μsec	8 x 20 μsec	1	2			(8 x 20 μsec)		@1kHz
		A	B	C	D	E	F		(AC)	(DC)	(J)	(J)	(A)	(A)	Vmin (V)	Vmax (V)	(V)	(A)	(pF)
DV10K110	D6121ZOV110RA02	X				X		Z110-02UL	11	14	2.6	N/A	1000	500	16	20	36	5	7500
DV10K140	D6121ZOV140RA02	X				X		Z140-02UL	14	18	3.2	N/A	1000	500	20	24	43	5	6000
DV10K170	D6121ZOV170RA03	X				X		Z170-03UL	17	22	3.9	N/A	1000	500	24	30	53	5	4000
DV10K200	D6121ZOV200RA03	X				X		Z200-03UL	20	26	4.8	N/A	1000	500	30	36	65	5	6655
DV10K250	D6121ZOV250RA04	X				X		Z250-04UL	25	31	5.6	N/A	1000	500	35	43	77	5	5632
DV10K300	D6121ZOV300RA05	X				X		Z300-05UL	30	38	6.8	N/A	1000	500	42	52	93	5	4673
DV10K350	D6121ZOV350RA06	X				X		Z350-06UL	35	45	8.1	N/A	1000	500	50	62	110	5	3922
DV10K400	D6121ZOV400RA07	X				X		Z400-07UL	40	56	13	N/A	1000	500	61	75	135	5	1627
DV10K500	D6121ZOV500RA03	X				X		Z500-O3UL	50	66	14	N/A	3500	2500	74	90	147	25	1375
DV10K600	D6121ZOV600RA03	X				X		Z600-03UL	60	81	18	N/A	3500	2500	90	110	175	25	1128
DV10K750	D6121ZOV750RA03	X				X		Z750-03UL	75	102	22	N/A	3500	2500	108	132	210	25	940
DV10K950	D6121ZOV950RA03	X				X		Z950-03UL	95	127	25	N/A	3500	2500	135	165	255	25	469
DV10K121	D6121ZOV121RA04	X	X	X		X		Z121-04UL	120	160	33	N/A	3500	2500	170	207	320	25	469
DV10K131	D6121ZOV131RA04	X	X	X	X	X		Z131-04UL	130	175	45	45	3500	2500	184	224	340	25	438
DV10K141	D6121ZOV141RA04	X	X	X	X	X		Z141-04UL	140	180	50	50	3500	2500	198	242	360	25	407
DV10K151	D6121ZOV151RA04	X	X	X	X	X		Z151-04UL	150	200	55	55	3500	2500	212	259	395	25	373
DV10K181	D6121ZOV181RA04	X	X	X	X	X		Z181-04UL	180	230	60	60	3500	2500	255	311	465	25	319
DV10K211	D61ZOV211RA30	X	X	X	X	X	X	Z211-30UL	210	270	58	58	3500	2500	297	363	545	25	271
DV10K231	D61ZOV231RA35	X	X	X	X	X	X	Z231-35UL	230	300	65	65	3500	2500	326	397	595	25	248
DV10K251	D61ZOV251RA40	X	X	X	X	X	X	Z251-40UL	250	330	70	70	3500	2500	354	432	650	25	229
DV10K271	D61ZOV271RA43	X	X	X	X	X	X	Z271-43UL	270	360	80	80	3500	2500	382	466	710	25	213
DV10K301	D61ZOV301RA45	X	X	X	X	X	X	Z301-45UL	300	390	85	85	3500	2500	425	518	790	25	190
DV10K321	D61ZOV321RA45	X	X	X	X	X	X	Z321-45UL	320	420	92	92	3500	2500	453	553	850	25	179
DV10K361	D61ZOV361RA45	X	X	X	X	X	X	Z361-45UL	360	470	97	97	3500	2500	522	638	960	25	154
DV10K391	D61ZOV391RA45	X		X	X	X	X	Z391-45UL	390	505	107	107	3500	2500	552	674	1025	25	146
DV10K421	D61ZOV421RA45	X	X	X	X	X	X	Z421-45UL	420	560	110	110	3500	2500	594	725	1120	25	136
DV10K461	D61ZOV461RA50	X	X	X	X	X	X	Z461-50UL	460	615	115	115	3500	2500	651	795	1240	25	124
DV10K481	D61ZOV481RA50	X	X	X	X	X	X	Z481-50UL	480	640	120	120	3500	2500	679	829	1300	25	119
DV10K511	D61ZOV511RA55	X	X	X	X	X	X	Z511-55UL	510	670	125	125	3500	2500	722	811	1350	25	112
DV10K551	D61ZOV551RA60	X	X	X	X	X	X	Z551-60UL	550	700	130	130	3500	2500	778	950	1400	25	104
DV10K581	D61ZOV581RA65	X	X	X	X	X	X	Z581-65UL	580	735	140	140	3500	2500	821	1002	1500	25	98
DV10K621	D61ZOV621RA65	X	X	X	X	X	X	Z621-65UL	620	800	145	145	3500	2500	877	1071	1650	25	92
DV10K681	D61ZOV681RA70	X	X	X	X	X	X	Z681-70UL	680	860	155	155	3500	2500	962	1175	1800	25	84

NOTES:
Appendix A lists the single-pulse peak current and energy ratings on file with the Safety Agencies.
Maximum transient rating specified in this table are valid. They may differ from those shown in Appendix A.
A = UL1449 File E86730 - Transient Voltage Surge Suppression
B = UL1414 File E38785 - Across - The Line Applications
C = CSA C22.2 File LR33468
D = VDE/CECC 42000/42201 & IEC 1051
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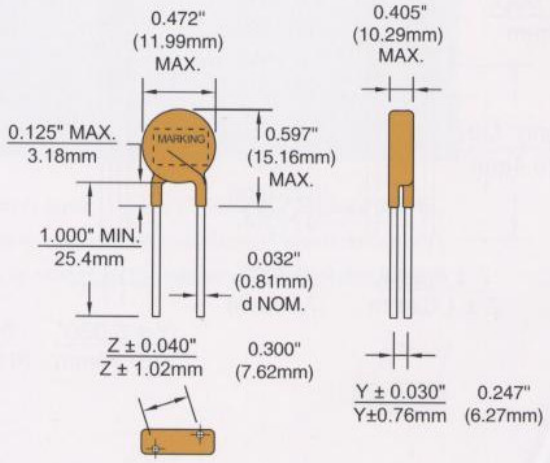
F = SEV - 96.7 70250.01



Other lead configurations are available upon request.

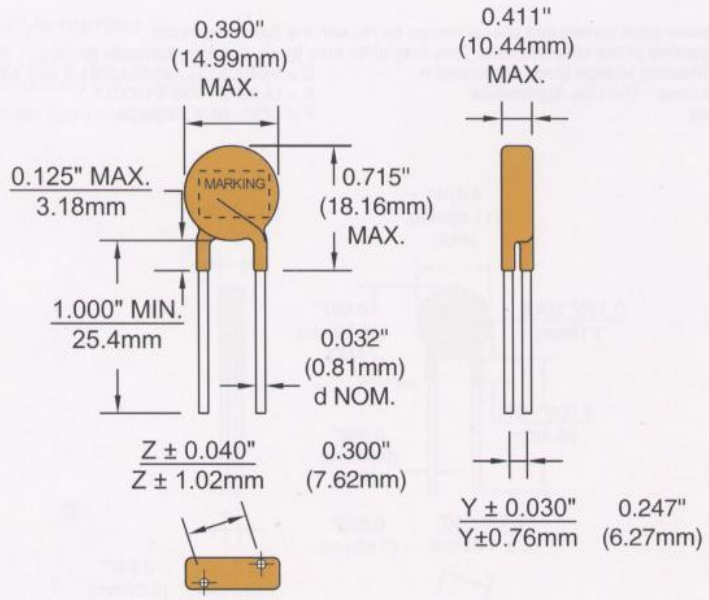
SPECIFICATIONS

12mm Disc

Maida Ordering Code	Maida Style Number	Recognitions To Safety Agency Standards						Minimum Marking	Maximum Ratings						Electrical Characteristics				
									Continuous		Transient								
									Applied Voltage		Energy		Peak Current 8 x 20 μsec # Pulses		Varistor Voltage @1 mA DC		Max. Clamping Voltage (@Test Current)		Typical Cap.
											10 x 1000 μsec	8 x 20 μsec							1 V rms @1kHz
		A	B	C	D	E	F		(AC)	(DC)	(J)	(J)	1 (A)	2 (A)	Vmin (V)	Vmax (V)	(8 x 20 μsec) (V)	(8 x 20 μsec) (A)	(pF)
DV12K500	D6221ZOV500RA05	X				X		Z500-05UL	50	66	22	N/A	4500	3200	74	90	147	40	2602
DV12K600	D6221ZOV600RA05	X				X		Z600-05UL	60	81	22	N/A	4500	3200	90	110	175	40	2133
DV12K750	D6221ZOV750RA05	X				X		Z750-05UL	75	102	27	N/A	4500	3200	108	132	210	40	1778
DV12K950	D6221ZOV950RA05	X				X		Z950-05UL	95	127	33	N/A	4500	3200	135	165	255	40	924
DV12K121	D6221ZOV121RA07	X	X	X		X		Z121-07UL	120	160	41	N/A	4500	3200	170	207	320	40	924
DV12K131	D6221ZOV131RA07	X	X	X	X	X	X	Z131-07UL	130	175	53	53	4500	3200	184	224	340	40	835
DV12K141	D6221ZOV141RA07	X	X	X	X	X	X	Z141-07UL	140	180	59	59	4500	3200	198	242	360	40	775
DV12K151	D6221ZOV151RA07	X	X	X	X	X	X	Z151-07UL	150	200	64	64	4500	3200	212	259	395	40	710
DV12K181	D6221ZOV181RA07	X	X	X	X	X	X	Z181-07UL	180	230	62	62	4500	3200	255	311	465	40	609
DV12K211	D62ZOV211RA45	X	X	X	X	X	X	Z211-45UL	210	270	66	66	4500	3200	297	363	545	40	516
DV12K231	D62ZOV231RA50	X	X	X	X	X	X	Z231-50UL	230	300	70	70	4500	3200	326	397	595	40	473
DV12K251	D62ZOV251RA55	X	X	X	X	X	X	Z251-55UL	250	330	80	80	4500	3200	354	432	650	40	437
DV12K271	D62ZOV271RA60	X	X	X	X	X	X	Z271-60UL	270	360	91	91	4500	3200	382	466	710	40	406
DV12K301	D62ZOV301RA65	X	X	X	X	X	X	Z301-65UL	300	390	105	105	4500	3200	425	518	790	40	363
DV12K321	D62ZOV321RA70	X	X	X	X	X	X	Z321-70UL	320	420	140	140	4500	3200	453	553	850	40	341
DV12K361	D62ZOV361RA70	X	X	X	X	X	X	Z361-70UL	360	470	205	205	4500	3200	522	638	960	50	313
DV12K391	D62ZOV391RA70	X		X	X	X	X	Z391-70UL	390	500	150	150	4500	3200	552	674	1025	40	278
DV12K421	D62ZOV421RA70	X	X	X	X	X	X	Z421-70UL	420	560	156	156	4500	3200	594	725	1120	40	258
DV12K461	D62ZOV461RA75	X	X	X	X	X	X	Z461-75UL	460	615	162	162	4500	3200	651	795	1240	40	236
DV12K481	D62ZOV481RA80	X	X	X	X	X	X	Z481-80UL	480	640	167	167	4500	3200	679	829	1300	40	227
DV12K511	D62ZOV511RA85	X	X	X	X	X	X	Z511-85UL	510	685	172	172	4500	3200	722	881	1350	40	213
DV12K551	D62ZOV551RA90	X	X	X	X	X	X	Z551-90UL	550	700	192	192	4500	3200	778	950	1400	40	198
DV12K581	D62ZOV581RA95	X	X	X	X		X	Z581-95UL	580	735	202	202	4500	3200	821	1002	1500	40	187
DV12K621	D62ZOV621RA100	X	X	X	X		X	Z621-100UL	620	800	215	215	4500	3200	877	1071	1650	40	175
DV12K681	D62ZOV681RA105	X	X	X	X		X	Z681-105UL	680	860	232	232	4500	3200	962	1175	1800	40	160

NOTES:
Appendix A lists the single-pulse peak current and energy ratings on file with the Safety Agencies.
Maximum transient rating specified in this table are valid. They may differ from those shown in Appendix A.

A = UL1449 File E86730 - Transient Voltage Surge Suppression
B = UL1414 File E38785 - Across - The Line Applications
C = CSA C22.2 File LR33468
D = VDE/CECC 42000/42201 & IEC 1051
E = UL497B - File E180012
F = SEV - 96.7 70250.01

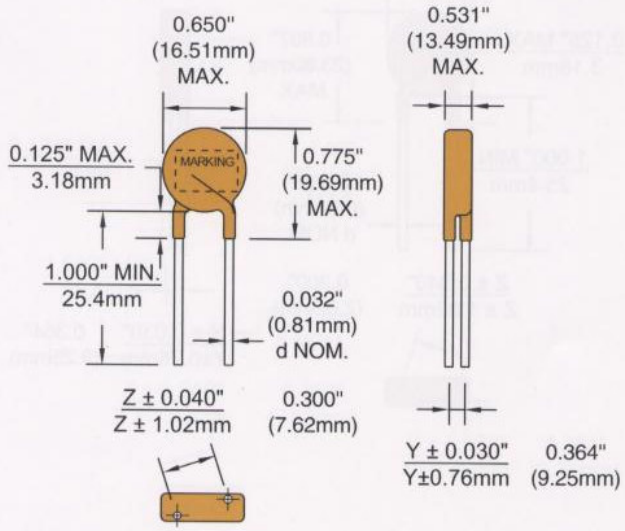


Other lead configurations are available upon request.

14mm Disc

Maida Ordering Code	Maida Style Number	Recognitions To Safety Agency Standards						Minimum Marking	Maximum Ratings						Electrical Characteristics				
									Continuous		Transient				Varistor Voltage @1 mA DC		Max Clamping Voltage (@Test Current)		Typical Cap.
									Applied Voltage		Energy		Peak Current 8 x 20 µsec # Pulses						1 V rms
											10 x 1000 µsec	8 x 20 µsec	1	2	Vmin	Vmax	(8 x 20 µsec)		@1kHz
		A	B	C	D	E	F		(AC)	(DC)	(J)	(J)	(A)	(A)	(V)	(V)	(V)	(A)	(pF)
DV14K110	D6921ZOV110RA04	X				X		Z110=04UL	11	14	5.2	N/A	2000	1000	16	20	36	10	18000
DV14K140	D6921ZOV140RA04	X				X		Z140-04UL	14	18	6.2	N/A	2000	1000	20	24	43	10	15000
DV14K170	D6921ZOV170RA05	X				X		Z170-05UL	17	22	7.8	N/A	2000	1000	24	30	53	10	10000
DV14K200	D6921ZOV200RA06	X				X		Z-200-06UL	20	26	9.5	N/A	2000	1000	30	36	65	10	14447
DV14K250	D6921ZOV250RA07	X				X		Z250-07UL	25	31	11	N/A	2000	1000	35	43	77	10	12225
DV14K300	D6921ZOV300RA09	X				X		Z300-09UL	30	38	14	N/A	2000	1000	42	52	93	10	10144
DV14K350	D6921ZOV350RA10	X				X		Z350=10UL	35	45	16	N/A	2000	1000	50	62	110	10	8514
DV14K400	D6921ZOV400RA12	X				X		Z400-12UL	40	56	20	N/A	2000	1000	61	75	135	10	3285
DV14K500	D6921ZOV500RA06	X				X		Z500-06UL	50	66	28	N/A	6000	5000	74	90	147	50	2829
DV14K600	D6921ZOV600RA06	X				X		Z600-06UL	60	81	36	N/A	6000	5000	90	110	175	50	2319
DV14K750	D6921ZOV750RA06	X				X		Z750-06UL	75	102	44	N/A	6000	5000	108	132	210	50	1933
DV14K950	D6921ZOV950RA06	X				X		Z950-06UL	95	127	53	N/A	6000	5000	135	165	255	50	1019
DV14K121	D6921ZOV121RA09	X	X	X		X		Z121-09UL	120	160	52	N/A	6000	5000	170	207	320	50	1019
DV14K131	D6921ZOV131RA09	X	X	X	X	X		Z131-09UL	130	175	70	70	6000	5000	184	224	340	50	890
DV14K141	D6921ZOV141RA09	X	X	X	X	X		Z141-09UL	140	180	78	78	6500	5000	198	242	360	50	825
DV14K151	D6921ZOV151RA09	X	X	X	X	X		Z151-09UL	150	200	84	84	6500	5000	212	259	395	50	756
DV14K181	D6921ZOV181RA09	X	X	X	X	X		Z181-09UL	180	230	100	100	6000	5000	255	311	465	50	648
DV14K211	D69ZOV211RA65	X	X	X	X	X		Z211-65UL	210	270	120	120	6000	4500	297	363	545	50	550
DV14K231	D69ZOV231RA70	X	X	X	X	X		Z231-70UL	230	300	135	135	6000	4500	326	397	595	50	504
DV14K251	D69ZOV251RA72	X	X	X	X	X		Z251-72UL	250	330	145	145	6000	4500	354	432	650	50	465
DV14K271	D69ZOV271RA75	X	X	X	X	X		Z271-75UL	270	360	160	160	6000	4500	382	466	710	50	432
DV14K301	D69ZOV301RA80	X	X	X	X	X		Z301-80UL	300	390	175	175	6000	4500	425	518	790	50	386
DV14K321	D69ZOV321RA90	X	X	X	X	X		Z301-90UL	320	420	190	190	6000	4500	453	553	850	50	363
DV14K361	D69ZOV361RA85	X	X	X	X	X		Z361-85UL	360	470	205	205	6000	4500	522	638	960	50	313
DV14K391	D69ZOV391RA85	X		X	X	X	X	Z391-85UL	390	505	215	215	6000	4500	552	674	1025	50	297
DV14K421	D69ZOV421RA90	X	X	X	X	X	X	Z421-90UL	420	560	225	225	6000	4500	594	725	1120	50	275
DV14K461	D69ZOV461RA100	X	X	X	X	X	X	Z461-100UL	460	615	230	230	6000	4500	651	795	1240	50	251
DV14K481	D69ZOV481RA105	X	X	X	X	X	X	Z481-105UL	480	640	235	235	6000	4500	679	829	1300	50	242
DV14K511	D69ZOV511RA110	X	X	X	X	X	X	Z511-110UL	510	675	240	240	6000	4500	722	881	1350	50	227
DV14K551	D69ZOV551RA115	X	X	X	X	X	X	Z551-115UL	550	700	255	255	6000	4500	778	950	1400	50	211
DV14K581	D69ZOV581RA120	X	X	X	X		X	Z581-120UL	580	735	265	265	6000	4500	821	1002	1500	50	199
DV14K621	D69ZOV621RA130	X	X	X	X		X	Z621-130UL	620	800	290	290	6000	4500	877	1071	1650	50	186
DV14K681	D69ZOV681RA150	X	X	X	X		X	Z681-150UL	680	860	310	310	6000	4500	962	1175	1800	50	170
DV14K751	D69ZOV751RA165	X		X	X		X	Z751-165UL	750	900	350	350	6000	4500	1062	1300	2100	50	151
DV14K102	D69ZOV102RA220	X	X	X	X		X	Z102-220UL	1000	1200	510	510	6000	4500	1414	1728	2700	50	115

NOTES:
Appendix A lists the single-pulse peak current and energy ratings on file with the Safety Agencies.
Maximum transient rating specified in this table are valid. They may differ from those shown in Appendix A.
A = UL1449 File E86730 - Transient Voltage Surge Suppression
B = UL1414 File E38785 - Across - The Line Applications
C = CSA C22.2 File LR33468
D = VDE/CECC 42000/42201 & IEC 1051
E = UL497B - File E180012
F = SEV - 96.7 70250.01



Other lead configurations are available upon request.

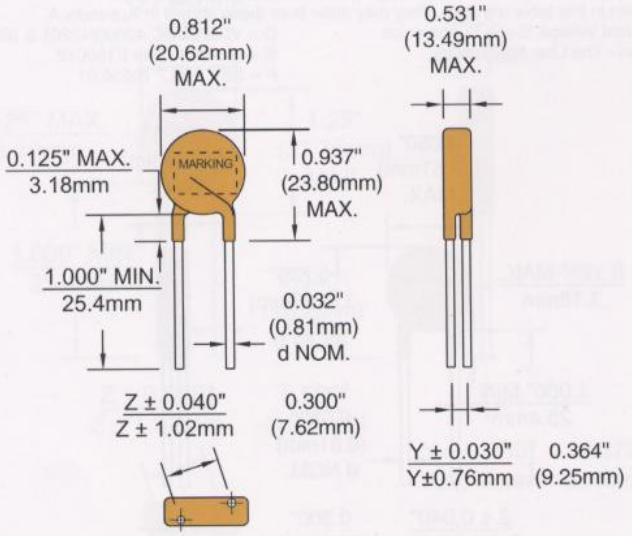
SPECIFICATIONS

18mm Disc

	18mm Disc																	
								Maximum Ratings						Electrical Characteristics				
								Continuous	Transient									
Maida Ordering Code	Maida Style Number	Recognitions To Safety Agency Standards						Minimum Marking	Applied Voltage		Energy		Peak Current 8 x 20 µsec # Pulses		Varistor Voltage @1 mA DC		Max Clamping Voltage (@Test Current)		Typical Cap. 1 V rms @1kHz
											10 x 1000 µsec	8 x 20 µsec	1	2	Vmin	Vmax	(8 x 20 µsec)	
		A	B	C	D	E	F		(AC)	(DC)	(J)	(J)	(A)	(A)	(V)	(V)	(V)	(A)	(pF)
DV18K121	D6321ZOV121RA65		X	X				Z121-65UL	120	160	65	N/A	7500	6500	170	207	320	100	1830
DV18K131	D6321ZOV131RA70	X	X	X		X		Z131-70UL	130	175	130	130	9000	7000	184	224	340	100	1571
DV18K141	D6321ZOV141RA75	X	X	X		X		Z141-75UL	140	180	135	135	9000	7000	198	242	360	100	1457
DV18K151	D6321ZOV151RA80	X	X	X		X		Z151-80UL	150	200	140	140	9000	7000	212	259	395	100	1336
DV18K181	D6321ZOV181RA100	X	X					Z181-100UL	180	230	150	150	7500	6000	2550	311	465	100	1145
DV18K211	D63ZOV211RA100	X	X	X	X	X	X	Z211-100UL	210	270	185	185	7500	6000	297	363	545	75	971
DV18K231	D63ZOV231RA80	X	X	X	X	X	X	Z231-80UL	230	300	215	215	7500	6000	326	397	595	100	890
DV18K251	D63ZOV251RA90	X	X	X	X	X	X	Z251-90UL	250	330	240	240	7500	6000	354	432	650	75	822
DV18K271	D63ZOV271RA100	X	X	X	X	X	X	Z271-100UL	270	360	260	260	7500	6000	382	466	710	75	763
DV18K301	D63ZOV301RA105	X	X	X	X	X	X	Z301-105UL	300	390	280	280	7500	6000	425	518	790	75	682
DV18K321	D63ZOV321RA110	X	X	X	X	X	X	Z321-110UL	320	420	310	310	7500	6000	453	553	850	75	641
DV18K361	D63ZOV361RA110	X		X	X	X	X	Z361-110UL	360	470	320	320	7500	6000	522	638	960	75	553
DV18K391	D63ZOV391RA110	X		X	X	X	X	Z391-110UL	390	500	330	330	7500	6000	552	674	1025	75	524
DV18K421	D63ZOV421RA110	X	X	X	X	X	X	Z421-110UL	420	560	340	340	7500	6000	594	725	1120	75	486
DV18K461	D63ZOV461RA120	X	X	X	X	X	X	Z461-120UL	460	615	360	360	7500	6000	651	795	1240	75	443
DV18K481	D63ZOV481RA130	X	X	X	X	X	X	Z481-130UL	480	640	365	365	7500	6000	679	829	1300	75	427
DV18K511	D63ZOV511RA140	X	X	X	X	X	X	Z511-140UL	510	675	375	375	7500	6000	722	881	1350	75	401
DV18K551	D63ZOV551RA145	X	X	X	X	X	X	Z551-145UL	550	700	405	405	7500	6000	778	950	1400	75	373
DV18K581	D63ZOV581RA160	X	X	X	X		X	Z581-160UL	580	735	425	425	7500	6000	821	1002	1500	75	352
DV18K621	D63ZOV621RA170	X	X	X	X		X	Z621-170UL	620	800	450	450	7500	6000	877	1071	1650	75	329
DV18K681	D63ZOV681RA200	X		X	X		X	Z681-200UL	680	860	500	500	7500	6000	962	1175	1800	75	300
DV18K751	D63ZOV751RA220	X		X	X		X	Z751-220UL	750	900	540	540	7500	6000	1062	1300	2100	75	267
DV18K102	D63ZOV102RA280	X	X	X	X		X	Z102-280UL	1000	1200	690	690	7500	6000	1414	1728	2700	75	204

NOTES:
Appendix A lists the single-pulse peak current and energy ratings on file with the Safety Agencies.
Maximum transient rating specified in this table are valid. They may differ from those shown in Appendix A.

A = UL1449 File E86730 - Transient Voltage Surge Suppression
B = UL1414 File E38785 - Across - The Line Applications
C = CSA C22.2 File LR33468
D = VDE/CECC 42000/42201 & IEC 1051
E = UL497B - File E180012
F = SEV - 96.7 70250.01



Other lead configurations are available upon request.

20mm Disc

Maida Ordering Code	Maida Style Number	Recognitions To Safety Agency Standards						Minimum Marking	Maximum Ratings						Electrical Characteristics				
									Continuous		Transient				Varistor Voltage @1 mA DC		Max Clamping Voltage (@Test Current)		Typical Cap.
									Applied Voltage		Energy		Peak Current 8 x 20 µsec # Pulses						1 V rms
											10 x 1000 µsec	8 x 20 µsec	1	2			(8 x 20 µsec)		@1kHz
		A	B	C	D	E	F		(AC)	(DC)	(J)	(J)	(A)	(A)	Vmin (V)	Vmax (V)	(V)	(A)	(pF)
DV20K110	D6521ZOV110RA10	X				X		Z110-10UL	11	14	13	N/A	3000	2000	16	20	36	20	37000
DV20K140	D6521ZOV140RA13	X				X		Z140-13UL	14	18	16	N/A	3000	2000	20	24	43	20	30000
DV20K170	D6521ZOV170RA15	X				X		Z170-15UL	17	22	19	N/A	3000	2000	24	30	53	20	22000
DV20K200	D6521ZOV200RA20	X				X		Z200-20UL	20	26	24	N/A	3000	2000	30	36	65	20	33064
DV20K250	D6521ZOV250RA24	X				X		Z250-25UL	25	31	28	N/A	3000	2000	35	43	77	20	27977
DV20K300	D6521ZOV300RA30	X				X		Z300-30UL	30	38	34	N/A	3000	2000	42	52	93	20	23215
DV20K350	D6521ZOV350RA35	X				X		Z350-35UL	35	45	41	N/A	3000	2000	50	62	110	20	19484
DV20K400	D6521ZOV400RA40	X				X		Z400-40UL	40	56	49	N/A	3000	2000	61	75	135	20	7517
DV20K500	D6521ZOV500RA42	X				X		Z500-42UL	50	66	56	N/A	10000	7000	74	90	147	100	5041
DV20K600	D6521ZOV600RA45	X				X		Z600-45UL	60	81	72	N/A	10000	7000	90	110	175	100	5264
DV20K750	D6521ZOV750RA55	X				X		Z750-55UL	75	102	88	N/A	10000	7000	108	132	210	100	4387
DV20K950	D6521ZOV950RA65	X				X		Z950-65UL	95	127	106	N/A	10000	7000	135	165	255	100	2331
DV20K121	D6521ZOV121RA20	X	X	X		X		Z121-20UL	120	160	130	N/A	10000	7000	170	207	320	100	2331
DV20K131	D6521ZOV131RA20	X	X	X	X	X	X	Z131-20UL	130	175	150	150	12000	9000	184	224	340	100	2001
DV20K141	D6521ZOV141RA20	X	X	X	X	X	X	Z141-20UL	140	180	160	160	12000	9000	198	242	360	100	1855
DV20K151	D6521ZOV151RA20	X	X	X	X	X	X	Z151-20UL	150	200	170	170	12000	9000	212	259	395	100	1701
DV20K181	D6521ZOV181RA20	X	X	X	X	X	X	Z181-20UL	180	230	190	190	10000	7000	255	311	465	100	1458
DV20K211	D65ZOV211RA110	X	X	X	X	X	X	Z211-110UL	210	270	230	230	10000	6500	297	363	545	100	1237
DV20K231	D65ZOV231RA115	X	X	X	X	X	X	Z231-115UL	230	300	270	270	10000	6500	326	397	595	100	1134
DV20K251	D65ZOV251RA130	X	X	X	X	X	X	Z251-130UL	250	330	300	300	10000	6500	354	432	650	100	1047
DV20K271	D65ZOV271RA140	X	X	X	X	X	X	Z271-140UL	270	360	325	325	10000	6500	382	466	710	100	972
DV20K301	D65ZOV301RA150	X	X	X	X	X	X	Z301-150UL	300	390	350	350	10000	6500	425	518	790	100	869
DV20K321	D65ZOV321RA160	X	X	X	X	X	X	Z321-160UL	320	420	385	385	10000	6500	453	553	850	100	816
DV20K361	D65ZOV361RA160	X	X	X		X		Z361-160UL	360	470	410	410	10000	6500	522	638	960	100	704
DV20K391	D65ZOV391RA150	X	X	X		X		Z391-150UL	390	505	420	420	10000	6500	552	674	1025	100	667
DV20K421	D65ZOV421RA160	X	X	X	X	X	X	Z421-160UL	420	560	430	430	10000	6500	594	725	1120	100	618
DV20K461	D65ZOV461RA175	X	X	X	X	X	X	Z461-175UL	460	615	450	450	10000	6500	651	765	1240	100	565
DV20K481	D65ZOV481RA180	X	X	X	X	X	X	Z481-180UL	480	640	460	460	10000	6500	679	829	1300	100	544
DV20K511	D65ZOV511RA190	X	X	X	X	X	X	Z511-190UL	510	675	470	470	10000	6500	722	881	1350	100	510
DV20K551	D65ZOV551RA200	X	X	X	X	X	X	Z551-200UL	550	700	510	510	10000	6500	778	950	1400	100	475
DV20K581	D65ZOV581RA220	X	X	X	X		X	Z581-220UL	580	735	530	530	10000	6500	821	1002	1500	100	449
DV20K621	D65ZOV621RA230	X	X	X	X		X	Z621-230UL	620	800	565	565	10000	6500	877	1071	1650	100	419
DV20K681	D65ZOV681RA260	X	X	X	X		X	Z681-260UL	680	860	620	620	10000	6500	962	1175	1800	100	382
DV20K751	D65ZOV751RA290	X		X	X		X	Z751-290UL	750	900	670	670	10000	6500	1062	1300	2100	100	340
DV20K102	D65ZOV102RA360	X	X	X	X		X	Z102-360UL	1000	1200	860	860	10000	6500	1414	1728	2700	100	259

NOTES:
Appendix A lists the single-pulse peak current and energy ratings on file with the Safety Agencies.
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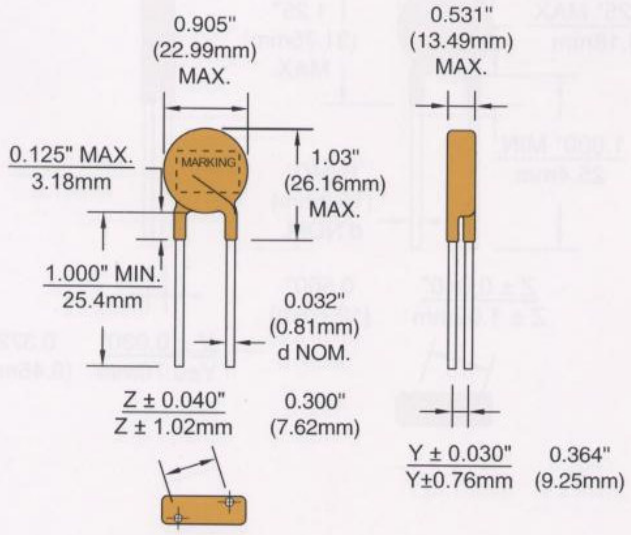


Other lead configurations are available upon request.

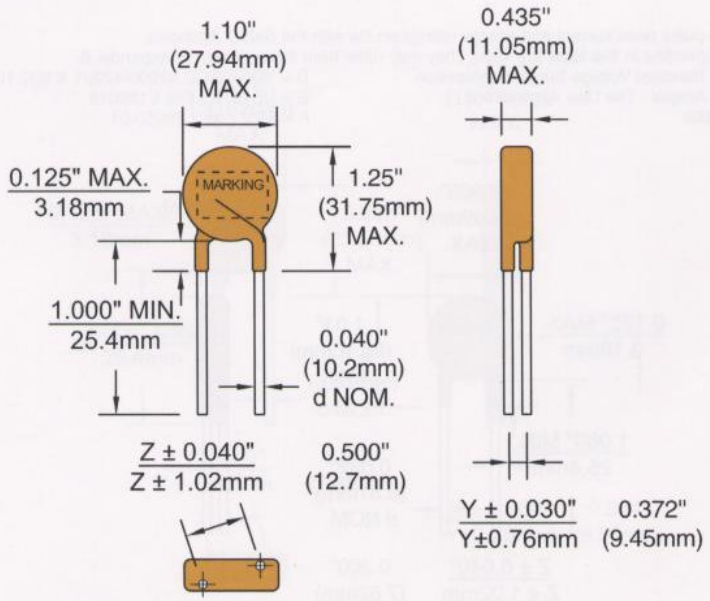
SPECIFICATIONS

25mm Disc

Maida Ordering Code	Maida Style Number	Recognitions To Safety Agency Standards						Minimum Marking	Maximum Ratings						Electrical Characteristics				
									Continuous		Transient				Varistor Voltage @1 mA DC		Max Clamping Voltage (@Test Current)		Typical Cap.
									Applied Voltage		Energy		Peak Current 8 x 20 µsec # Pulses						1 V rms
											10 x 1000 µsec	8 x 20 µsec	1	2	Vmin	Vmax	(8 x 20 µsec)		@1kHz
		A	B	C	D	E	F		(AC)	(DC)	(J)	(J)	(A)	(A)	(V)	(V)	(V)	(A)	(pF)
DV25K131	D6694ZOV131RA140	X	X	X		X		Z131-140UL	130	175	170	170	18000	13000	184	224	340	100	3634
DV25K141	D6694ZOV141RA150	X	X	X		X		Z141-150UL	140	180	180	180	18000	13000	198	242	360	100	3370
DV25K151	D6694ZOV151RA160	X	X	X		X		Z151-160UL	150	200	190	190	18000	13000	212	259	395	100	3089
DV25K181	D6694ZOV181RA200	X	X	X		X		Z181-200UL	180	230	200	200	13000	9000	255	311	465	100	2648
DV25K211	D6694ZOV211RA220	X	X	X		X		Z211-220UL	210	270	250	250	13000	9000	297	363	545	100	2247
DV25K231	D6694ZOV231RA230	X	X	X		X		Z231-230UL	230	300	280	280	13000	9000	326	397	595	100	2059
DV25K251	D6694ZOV251RA260	X	X	X		X		Z251-260UL	250	330	315	315	13000	9000	354	432	650	100	1901
DV25K271	D6694ZOV271RA280	X	X	X		X		Z271-280UL	270	360	340	340	13000	9000	382	466	710	100	1765
DV25K301	D6694ZOV301RA300	X	X	X		X		Z301-300UL	300	390	360	360	13000	9000	425	518	790	100	1577
DV25K321	D6694ZOV321RA320	X	X	X		X		Z321-320UL	320	420	430	430	13000	9000	453	553	850	100	1483
DV25K361	D6694ZOV361RA320	X	X	X		X		Z361-320UL	360	470	440	440	13000	9000	522	638	960	100	1278
DV25K391	D6694ZOV391RA320	X		X		X		Z391-320UL	390	505	460	460	13000	9000	552	674	1025	100	1211
DV25K421	D6694ZOV421RA320	X	X	X		X		Z421-320UL	420	560	480	480	13000	9000	594	725	1120	100	1123
DV25K461	D6694ZOV461RA340	X	X	X		X		Z461-340UL	460	615	500	500	13000	9000	651	795	1240	100	1025
DV25K481	D6694ZOV481RA360	X	X	X		X		Z481-360UL	480	640	510	510	13000	9000	679	829	1300	100	989
DV25K511	D6694ZOV511RA380	X	X	X		X		Z511-380UL	510	675	525	525	13000	9000	722	881	1350	100	927
DV25K551	D6694ZOV551RA400	X	X	X		X		Z551-400UL	550	700	540	540	13000	9000	778	950	1400	100	862
DV25K581	D6694ZOV581RA440	X		X				Z581-440UL	580	735	560	560	13000	9000	821	1002	1500	100	815
DV25K621	D6694ZOV621RA460	X	X	X				Z621-460UL	620	800	600	600	13000	9000	877	1071	1650	100	761
DV25K681	D6694ZOV681RA520	X		X				Z681-520UL	680	860	655	655	13000	9000	962	1175	1800	100	694
DV25K751	D6694ZOV751RA560	X	X	X				Z751-560UL	750	900	700	700	13000	9000	1062	1300	2100	100	618
DV25K102	D6694ZOV102RA720	X	X	X				Z102-720UL	1000	1200	875	875	13000	9000	1414	1728	2700	100	471

NOTES:
Appendix A lists the single-pulse peak current and energy ratings on file with the Safety Agencies.
Maximum transient rating specified in this table are valid. They may differ from those shown in Appendix A.

A = UL1449 File E86730 - Transient Voltage Surge Suppression
B = UL1414 File E38785 - Across - The Line Applications
C = CSA C22.2 File LR33468
D = VDE/CECC 42000/42201 & IEC 1051
E = UL497B - File E180012
F = SEV - 96.7 70250.01



Other lead configurations are available upon request.