



# STANDARD SERIES

MAIDA STYLE NUMBER D6121ZOV140RA02

MAIDA ITEM NUMBER 01-1253

**VARISTOR SPEC SHEET**

### Electrical Specifications

Continuous AC Voltage	14 VAC
Continuous DC Voltage	18 VDC
Maximum DC Leakage @ 18 VDC	200 $\mu$ A
Low Varistor Voltage Limit	20 VDC
High Varistor Voltage Limit	24 VDC
Nominal Varistor Voltage	22 VDC
Current for Varistor Voltage	1 mA
Maximum Clamp Voltage	43 V
Maximum Clamp Voltage Test Current	5 A
Peak Current Rating (1 Pulse)	1000 A
Peak Current Rating (2 Pulse)	500 A
Energy Rating (8X20us)	3.2 J
Energy Rating (10X1000us)	3.2 J
Typical Capacitance	6000 pF
Impulse Response Time	< 50 ns
Minimum Hipot of Coating	2500 VDC
Minimum I.R. of Coating	1000 $M\Omega$
Current/Energy Derating Above 85°C	-2.5 %/°C

### Thermal Specifications

Minimum Operating Temperature	-40 °C
Maximum Operating Temperature	85 °C
Varistor Voltage Temperature Coeff	-0.05 %/°C
Minimum Storage Temperature	-50 °C
Maximum Storage Temperature	125 °C
Recommended Solder Temperature	260 °C
Recommended Reflow Temperature	260 °C

### Notes

### Physical Specifications

Lead Style	110B1
X Nominal	0.3 in.
X Tolerance	0.04 in.
Y Nominal	0.095 in.
Y Tolerance	0.03 in.
Z Nominal	0.315 in.
Z Tolerance	0.04 in.
Lead Length Nominal	1.00 in.
Lead Length Tolerance	min. in.
d Nominal	0.032 in.
Wire Gauge	20 AWG
Minimum Marking	Z140-02UL
Nominal Disk Size	10 mm
D Maximum	0.472 in.
T Maximum	0.165 in.
H Maximum	0.597 in.
Coating Type	EPOXY



\* Contact Maida for a more detailed configuration drawing.

### Safety Agency Recognitions

UL 1449 File Number	E321173
- Tested to Type:	4
C-UL File Number	
CSA File Number	
VDE File Number	
SEV File Number	



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