



# STANDARD SERIES

MAIDA STYLE NUMBER D56ZOV181RA1R3

MAIDA ITEM NUMBER 01-1208

**VARISTOR SPEC SHEET**

### Electrical Specifications

Continuous AC Voltage	180	VAC
Continuous DC Voltage	230	VDC
Maximum DC Leakage @ 230 VDC	200	uA
Low Varistor Voltage Limit	255	VDC
High Varistor Voltage Limit	311	VDC
Nominal Varistor Voltage	283	VDC
Current for Varistor Voltage	1	mA
Maximum Clamp Voltage	510	V
Maximum Clamp Voltage Test Current	2	A
Peak Current Rating (1 Pulse)	100	A
Peak Current Rating (2 Pulse)	50	A
Energy Rating (8X20us)	1.3	J
Energy Rating (10X1000us)	1.3	J
Typical Capacitance	35	pF
Impulse Response Time	< 50	ns
Minimum Hipot of Coating	2500	VDC
Minimum I.R. of Coating	1000	MΩ
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	005M2
X Nominal	0.16 in.
X Tolerance	0.04 in.
Y Nominal	0.061 in.
Y Tolerance	0.03 in.
Z Nominal	0.171 in.
Z Tolerance	0.04 in.
Lead Length Nominal	1.00 in.
Lead Length Tolerance	min. in.
d Nominal	0.02 in.
Wire Gauge	24 AWG
Minimum Marking	Z181
Nominal Disk Size	3 mm
D Maximum	0.197 in.
T Maximum	0.223 in.
H Maximum	0.322 in.
Coating Type	EPOXY



\* Contact Maida for a more detailed configuration drawing.

### Safety Agency Recognitions

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



**MAIDA DEVELOPMENT COMPANY**  
 P.O. Box 3529  
 Hampton, Virginia 23663  
 Ph: (757) 723-0785 Fax (757) 722-1194

www.maida.com