



STANDARD SERIES

MAIDA STYLE NUMBER D6121ZOV170RA03

MAIDA ITEM NUMBER 01-0031

VARISTOR SPEC SHEET

Electrical Specifications

Continuous AC Voltage	17 VAC
Continuous DC Voltage	22 VDC
Maximum DC Leakage @ 22 VDC	200 uA
Low Varistor Voltage Limit	24 VDC
High Varistor Voltage Limit	30 VDC
Nominal Varistor Voltage	27 VDC
Current for Varistor Voltage	1 mA
Maximum Clamp Voltage	53 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)	3.9 J
Energy Rating (10X1000us)	3.9 J
Typical Capacitance	4000 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	110B1
X Nominal	0.3 in.
X Tolerance	0.04 in.
Y Nominal	0.109 in.
Y Tolerance	0.03 in.
Z Nominal	0.319 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	Z170-03UL
Nominal Disk Size	10 mm
D Maximum	0.472 in.
T Maximum	0.17 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	



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

www.maida.com