

Date: 06/10/2008

**MAIDA STYLE NUMBER** D69B5ZOV301RA80

**MAIDA ITEM NUMBER** 01-0618

**Electrical Specifications**

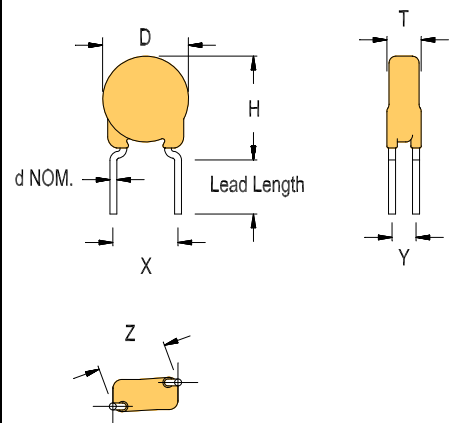
Continuous AC Voltage	300 VAC
Continuous DC Voltage	390 VDC
Maximum DC Leakage @ 390 VDC	200 uA
Low Varistor Voltage Limit	425 VDC
High Varistor Voltage Limit	518 VDC
Nominal Varistor Voltage	472 VDC
Current for Varistor Voltage	1 mA
Maximum Clamp Voltage	775 V
Maximum Clamp Voltage Test Current	50 A
Peak Current Rating (1 Pulse)	6000 A
Peak Current Rating (2 Pulse)	4500 A
Energy Rating (8X20us)	175 J
Energy Rating (10X1000us)	175 J
Typical Capacitance	470 pF
Impulse Response Time	< 50 ns
Minimum Hipot of Coating	2500 VDC
Minimum I.R. of Coating	1000 MΩ

**Physical Specifications**

Lead Style	04611
X Nominal	0.3 in.
X Tolerance	0.04 in.
Lead Length Nominal	.250 in.
Lead Length Tolerance	± .025 in.
Y Nominal	0.114 in.
Y Tolerance	0.03 in.
d Nominal	0.032 in.
Wire Gauge	20 AWG
Minimum Marking	Z301-80UL
Nominal Disk Size	14 mm
D Maximum	0.65 in.
T Maximum	0.268 in.
H Maximum	0.775 in.

**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
Current/Energy Derating Above 85°C	-2.5 %/°C



\* Contact Maida for a more detailed configuration drawing.

**Notes**

**Safety Agency Recognitions**

UL 1449 File Number	E86730
UL 1414 File Number	E38785
CSA File Number	LR33468
VDE File Number	40017480
SEV File Number	96.7 70250.01



**DEVELOPMENT COMPANY**

P.O. Box 3529

Hampton, Virginia 23663

(757) 723-0785 Fax (757) 722-1194