

Date: 10/27/2008

**MAIDA STYLE NUMBER** D6121ZOV300RA05

**MAIDA ITEM NUMBER** 01-0121

**Electrical Specifications**

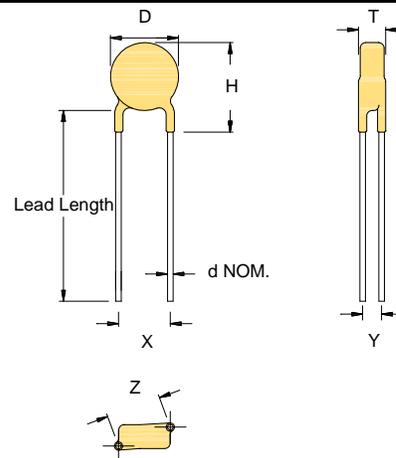
Continuous AC Voltage	30	VAC
Continuous DC Voltage	38	VDC
Maximum DC Leakage @ 38 VDC	200	uA
Low Varistor Voltage Limit	42	VDC
High Varistor Voltage Limit	52	VDC
Nominal Varistor Voltage	47	VDC
Current for Varistor Voltage	1	mA
Maximum Clamp Voltage	93	V
Maximum Clamp Voltage Test Current	5	A
Peak Current Rating (1 Pulse)	1000	A
Peak Current Rating (2 Pulse)	500	A
Energy Rating (8X20us)	6.8	J
Energy Rating (10X1000us)	6.8	J
Typical Capacitance	5140	pF
Impulse Response Time	< 50	ns
Minimum Hipot of Coating	2500	VDC
Minimum I.R. of Coating	1000	MΩ

**Physical Specifications**

Lead Style	110B1
X Nominal	0.3 in.
X Tolerance	0.04 in.
Lead Length Nominal	1.00 in.
Lead Length Tolerance	min. in.
Y Nominal	0.075 in.
Y Tolerance	0.03 in.
d Nominal	0.032 in.
Wire Gauge	20 AWG
Minimum Marking	Z300-05UL
Nominal Disk Size	10 mm
D Maximum	0.472 in.
T Maximum	0.19 in.
H Maximum	0.597 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	
CSA File Number	
VDE File Number	
SEV File Number	



**DEVELOPMENT COMPANY**

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