



Date: 08/19/2008

MAIDA STYLE NUMBER D5811ZOV500RA01T17

MAIDA ITEM NUMBER 01-2036

**VARISTOR SPEC SHEET****Electrical Specifications**

Continuous AC Voltage	50	VAC
Continuous DC Voltage	66	VDC
Maximum DC Leakage @ 66 VDC	200	uA
Low Varistor Voltage Limit	74	VDC
High Varistor Voltage Limit	90	VDC
Nominal Varistor Voltage	82	VDC
Current for Varistor Voltage	1	mA
Maximum Clamp Voltage	163	V
Maximum Clamp Voltage Test Current	5	A
Peak Current Rating (1 Pulse)	800	A
Peak Current Rating (2 Pulse)	600	A
Energy Rating (8X20us)	3.5	J
Energy Rating (10X1000us)	3.5	J
Typical Capacitance	300	pF
Impulse Response Time	< 50	ns
Minimum Hipot of Coating	2500	VDC
Minimum I.R. of Coating	1000	MΩ

**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

**Notes** CRITICAL CAPACITANCE: 300 ± 90 PF.

Lead Free - Complies with RoHS

**DEVELOPMENT COMPANY**

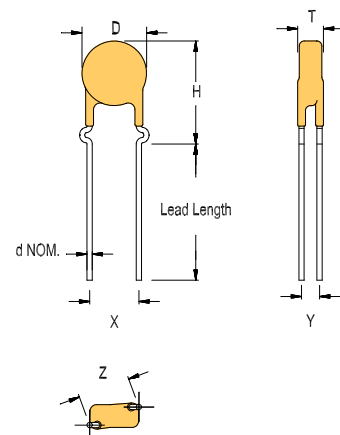
P.O. Box 3529

Hampton, Virginia 23663

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

**Physical Specifications**

Lead Style	076M
X Nominal	0.2 in.
X Tolerance	0.03 in.
Lead Length Nominal	TAPE in.
Lead Length Tolerance	& REEL in.
Y Nominal	0.046 in.
Y Tolerance	0.03 in.
d Nominal	0.025 in.
Wire Gauge	22 AWG
Minimum Marking	Z500-01UL
Nominal Disk Size	5 mm
D Maximum	0.298 in.
T Maximum	0.174 in.
H Maximum	0.498 in.



\* Contact Maida for a more detailed configuration drawing.

**Safety Agency Recognitions**

UL 1449 File Number	E86730
UL 1414 File Number	
CSA File Number	
VDE File Number	
SEV File Number	