



Date: 07/23/2010

HIGH ENERGY SERIES

MAIDA STYLE NUMBER D7877ZOV511RA580

MAIDA ITEM NUMBER 01-0833

VARISTOR SPEC SHEET

Electrical Specifications

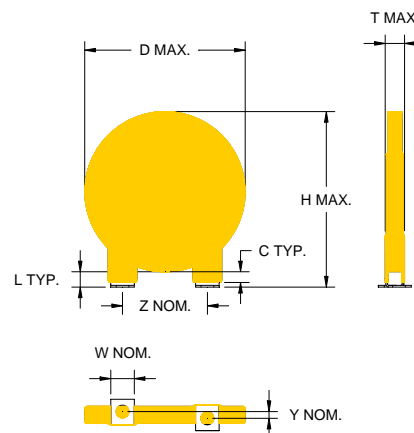
Continuous AC Voltage	510	VAC
Continuous DC Voltage	675	VDC
Maximum DC Leakage @ 675 VDC	200	uA
Low Varistor Voltage Limit	722	VDC
High Varistor Voltage Limit	881	VDC
Nominal Varistor Voltage	802	VDC
Current for Varistor Voltage	1	mA
Maximum Clamp Voltage	1350	V
Maximum Clamp Voltage Test Current	200	A
Peak Current Rating (1 Pulse)	25000	A
Peak Current Rating (2 Pulse)	20000	A
Energy Rating (8X20us)	580	J
Energy Rating (10X1000us)	580	J
Typical Capacitance	1000	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

Physical Specifications

Lead Style	167
X Nominal	1 in.
X Tolerance	0.02 in.
Y Nominal	0.212 in.
Y Tolerance	0.04 in.
Z Nominal	in.
Z Tolerance	in.
Lead Length Nominal	in.
Lead Length Tolerance	in.
d Nominal	0.02 in.
Wire Gauge	24 AWG
Minimum Marking	Z511-580UL
Nominal Disk Size	32 mm
D Maximum	1.575 in.
T Maximum	0.36 in.
H Maximum	1.913 in.
Coating Type	EPOXY

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



* Contact Maida for a more detailed configuration drawing.

Notes

Safety Agency Recognitions

UL 1449 File Number	E321173
- Tested to Type:	2
CSA File Number	LR33468
VDE File Number	
SEV File Number	



MAIDA DEVELOPMENT COMPANY

P.O. Box 3529

Hampton, Virginia 23663

www.maida.com

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