Date: 07/23/2010

HIGH ENERGY SERIES

MAIDA STYLE NUMBER D7877ZOV881RA850 **MAIDA ITEM NUMBER** 01-1704

VARISTOR SPEC SHEET

Electrical Specifications

Continuous AC Voltage	880	VAC
Continuous DC Voltage	1150	VDC
Maximum DC Leakage @ 1150 VDC	200	uA
Low Varistor Voltage Limit	1245	VDC
High Varistor Voltage Limit	1520	VDC
Nominal Varistor Voltage	1380	VDC
Current for Varistor Voltage	1	mA
Maximum Clamp Voltage	2290	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)	850	J
Energy Rating (10X1000us)	850	J
Typical Capacitance	590	pF
Impulse Response Time	< 50	ns
Minimum Hipot of Coating	2500	VDC
Minimum I.R. of Coating	1000	MΩ
Current/Energy Derating Above 85℃	-2.5	%/℃

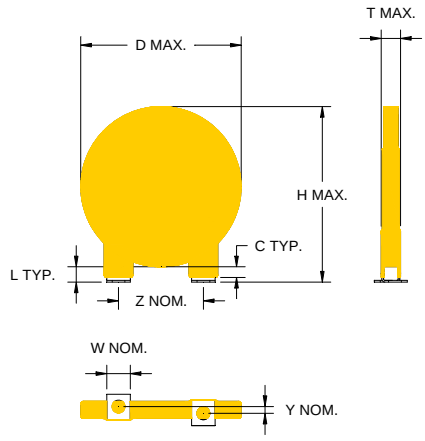
Thermal Specifications

Minimum Operating Temperature	-40	℃
Maximum Operating Temperature	85	℃
Varistor Voltage Temperature Coeff	-0.05	%/℃
Minimum Storage Temperature	-50	℃
Maximum Storage Temperature	125	℃
Recommended Solder Temperature	260	℃
Recommended Reflow Temperature	260	℃

Notes

Physical Specifications

Lead Style	167	
X Nominal	1	in.
X Tolerance	0.02	in.
Y Nominal	0.314	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	Z881-850UL	
Nominal Disk Size	32	mm
D Maximum	1.575	in.
T Maximum	0.476	in.
H Maximum	1.913	in.
Coating Type	EPOXY	



* Contact Maida for a more detailed configuration drawing.

Safety Agency Recognitions

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

www.maida.com

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