



Date: 07/23/2010

HIGH ENERGY SERIES

MAIDA STYLE NUMBER S66C6ZOV511RA450

MAIDA ITEM NUMBER 01-1642

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	1390	V
Maximum Clamp Voltage Test Current	100	A
Peak Current Rating (1 Pulse)	20000	A
Peak Current Rating (2 Pulse)	17000	A
Energy Rating (8X20us)	450	J
Energy Rating (10X1000us)	450	J
Typical Capacitance	1100	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

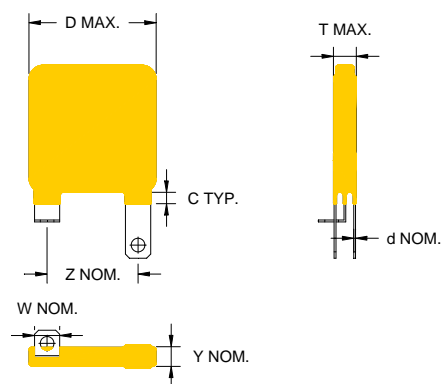
Physical Specifications

Lead Style	166, 167
X Nominal	1 in.
X Tolerance	0.02 in.
Y Nominal	0.374 in.
Y Tolerance	0.04 in.
Z Nominal	in.
Z Tolerance	in.
Lead Length Nominal	in.
Lead Length Tolerance	min. in.
d Nominal	0.02 in.
Wire Gauge	24 AWG
Minimum Marking	2XC5S-511
Nominal Disk Size	25 mm
D Maximum	1.142 in.
T Maximum	0.517 in.
H Maximum	1.97 in.
Coating Type	EPOXY

NOTE: Electrical Specifications are for each disc in package.

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
 - Tested to Type:
 CSA File Number
 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