



Date: 07/22/2010

# HIGH ENERGY SERIES

MAIDA STYLE NUMBER S66D8ZOV131RA180

MAIDA ITEM NUMBER 01-1586

**VARISTOR SPEC SHEET**

### Electrical Specifications

Continuous AC Voltage	130	VAC
Continuous DC Voltage	175	VDC
Maximum DC Leakage @ 175 VDC	200	uA
Low Varistor Voltage Limit	184	VDC
High Varistor Voltage Limit	224	VDC
Nominal Varistor Voltage	204	VDC
Current for Varistor Voltage	1	mA
Maximum Clamp Voltage	340	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)	180	J
Energy Rating (10X1000us)	180	J
Typical Capacitance	5000	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	0.194	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-131	
Nominal Disk Size	25	mm
D Maximum	1.142	in.
T Maximum	0.304	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

### Notes



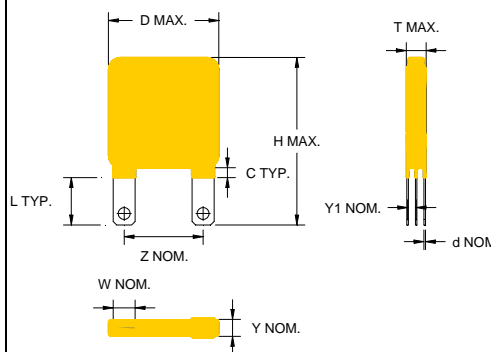
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\* Contact Maida for a more detailed configuration drawing.

### Safety Agency Recognitions

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