



VARISTOR SPEC SHEET

HIGH ENERGY SERIES

Date: 11/14/2008

VARISTOR SPECIFICATION SHEET

MAIDA STYLE NUMBER D7780ZOV181RA630

MAIDA ITEM NUMBER 01-1134

Electrical Specifications

Continuous AC Voltage	180	VAC
Continuous DC Voltage	230	VDC
Maximum DC Leakage @ Rated VDC	200	uA
Low Varistor Voltage Limit	255	VDC
High Varistor Voltage Limit	311	VDC
Nominal Varistor Voltage	283	VDC
Current for Varistor Voltage	1	mA
Maximum Clamp Voltage	465	V
Maximum Clamp Voltage Test Current	500	A
Peak Current Rating (1 Pulse)	70000	A
Peak Current Rating (2 Pulse)	56000	A
Energy Rating (8X20us)	630	J
Energy Rating (10X1000us)	630	J
Typical Capacitance	6300	pF
Impulse Response Time	< 50	ns
Minimum Hipot of Coating	2500	VDC
Minimum I.R. of Coating	1000	MΩ

Physical Specifications

Lead Style	256
X Nominal	1 in.
X Tolerance	0.02 in.
Lead Length Nominal	in.
Lead Length Tolerance	in.
Y Nominal	0.122 in.
Y Tolerance	0.04 in.
d Nominal	0.02 in.
Wire Gauge	24 AWG
Minimum Marking	Z181-630UL
Nominal Disk Size	53 mm
D Maximum	2.4 in.
T Maximum	0.267 in.
H Maximum	3.075 in.

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

Lead Free - Complies with RoHS

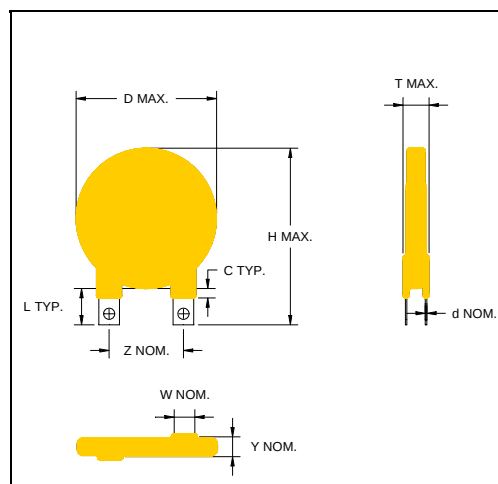


DEVELOPMENT COMPANY

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* Contact Maida for a more detailed configuration drawing.

Safety Agency Recognitions

UL 1449 File Number	E86730
UL 1414 File Number	E38785
CSA File Number	LR33468
VDE File Number	
SEV File Number	