VARISTOR SPEC SHEET

STANDARD SERIES

Date: 03/11/2008

VARISTOR SPECIFICATION SHEET

MAIDA STYLE NUMBER D69W1ZOV321RX90 **MAIDA ITEM NUMBER** 01-1717

Electrical Specifications

Continuous AC Voltage	320	VAC
Continuous DC Voltage	420	VDC
Maximum DC Leakage @ 420 VDC	200	uA
Low Varistor Voltage Limit	453	VDC
High Varistor Voltage Limit	553	VDC
Nominal Varistor Voltage	503	VDC
Current for Varistor Voltage	1	mA
Maximum Clamp Voltage	850	V
Maximum Clamp Voltage Test Current	50	A
Peak Current Rating (1 Pulse)	10000	A
Peak Current Rating (2 Pulse)	9500	A
Energy Rating (8X20us)	320	J
Energy Rating (10X1000us)	320	J
Typical Capacitance	520	pF
Impulse Response Time	< 50	ns
Minimum Hipot of Coating	2500	VDC
Minimum I.R. of Coating	1000	MΩ

Thermal Specifications

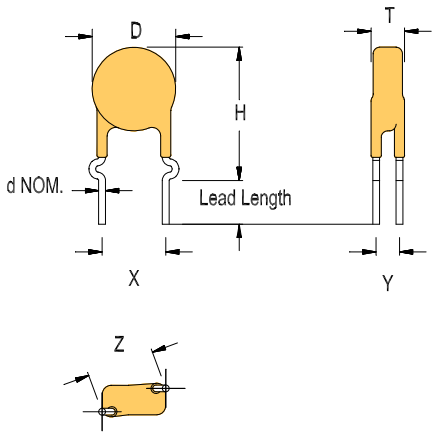
Minimum Operating Temperature	-40	°C
Maximum Operating Temperature	85	°C
Varistor Voltage Temperature Coeff	-0.05	%/°C
Minimum Storage Temperature	-50	°C
Maximum Storage Temperature	125	°C
Current/Energy Derating Above 85°C	-2.5	%/°C

Notes Must pass 5 hits @ 6500A without failure.

Lead Free - Complies with RoHS

Physical Specifications

Lead Style	103J1	
X Nominal	0.3	in.
X Tolerance	0.04	in.
Lead Length Nominal	.140	in.
Lead Length Tolerance	± .040	in.
Y Nominal	0.197	in.
Y Tolerance	0.03	in.
d Nominal	0.032	in.
Wire Gauge	20	AWG
Minimum Marking	Z321-90UL	
Nominal Disk Size	14	mm
D Maximum	0.71	in.
T Maximum	0.32	in.
H Maximum	0.835	in.



* 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	40017480
SEV File Number	96.7 70250.01

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