



VARISTOR SPEC SHEET

STANDARD SERIES

MAIDA STYLE NUMBER D6921ZOV121RA09

MAIDA ITEM NUMBER 01-1298

Electrical Specifications

Continuous AC Voltage	120	VAC
Continuous DC Voltage	160	VDC
Maximum DC Leakage @ 160 VDC	200	uA
Low Varistor Voltage Limit	170	VDC
High Varistor Voltage Limit	207	VDC
Nominal Varistor Voltage	189	VDC
Current for Varistor Voltage	1	mA
Maximum Clamp Voltage	320	V
Maximum Clamp Voltage Test Current	50	A
Peak Current Rating (1 Pulse)	6000	A
Peak Current Rating (2 Pulse)	5000	A
Energy Rating (8X20us)	52	J
Energy Rating (10X1000us)	52	J
Typical Capacitance	1480	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

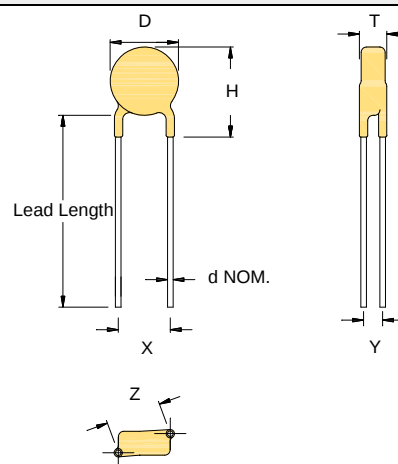
Thermal Specifications

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

Physical Specifications

Lead Style	110B1
X Nominal	0.3 in.
X Tolerance	0.04 in.
Y Nominal	0.063 in.
Y Tolerance	0.03 in.
Z Nominal	0.307 in.
Z Tolerance	0.04 in.
Lead Length Nominal	1.00 in.
Lead Length Tolerance	min. in.
d Nominal	0.032 in.
Wire Gauge	20 AWG
Minimum Marking	Z121-09UL
Nominal Disk Size	14 mm
D Maximum	0.65 in.
T Maximum	0.201 in.
H Maximum	0.775 in.
Coating Type	EPOXY



* Contact Maida for a more detailed configuration drawing.

Safety Agency Recognitions

UL 1449 File Number	E321173
- Tested to Type:	4
C-UL File Number	
CSA File Number	
VDE File Number	
SEV File Number	



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

www.maida.com