



# STANDARD SERIES

MAIDA STYLE NUMBER D6521ZOV181RA20

MAIDA ITEM NUMBER 01-0027

**VARISTOR SPEC SHEET**

### Electrical Specifications

Continuous AC Voltage	180	VAC
Continuous DC Voltage	230	VDC
Maximum DC Leakage @ 230 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	100	A
Peak Current Rating (1 Pulse)	10000	A
Peak Current Rating (2 Pulse)	7000	A
Energy Rating (8X20us)	190	J
Energy Rating (10X1000us)	190	J
Typical Capacitance	1700	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

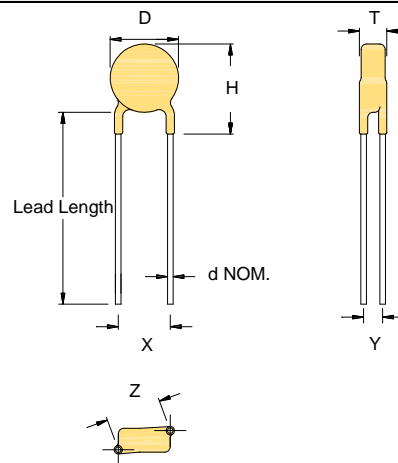
### Thermal Specifications

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	110B1C
X Nominal	0.3 in.
X Tolerance	0.04 in.
Y Nominal	0.082 in.
Y Tolerance	0.03 in.
Z Nominal	0.311 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	Z181-20UL
Nominal Disk Size	20 mm
D Maximum	0.905 in.
T Maximum	0.223 in.
H Maximum	1.03 in.
Coating Type	EPOXY



\* Contact Maida for a more detailed configuration drawing.

### Safety Agency Recognitions

UL 1449 File Number	E321173
- Tested to Type:	2
C-UL File Number	
CSA File Number	LR33468
VDE File Number	40017480
SEV File Number	96.7 70250.01



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