



Date: 06/09/2009

MAIDA STYLE NUMBER 20FN181K

MAIDA ITEM NUMBER 01-2401

**VARISTOR SPEC SHEET**

**Electrical Specifications**

Continuous AC Voltage	115 VAC
Continuous DC Voltage	150 VDC
Maximum DC Leakage @ 150 VDC	200 uA
Low Varistor Voltage Limit	162 VDC
High Varistor Voltage Limit	198 VDC
Nominal Varistor Voltage	180 VDC
Current for Varistor Voltage	1 mA
Maximum Clamp Voltage	300 V
Maximum Clamp Voltage Test Current	100 A
Peak Current Rating (1 Pulse)	10000 A
Peak Current Rating (2 Pulse)	6000 A
Energy Rating (8X20us)	110 J
Energy Rating (10X1000us)	110 J
Typical Capacitance	2200 pF
Impulse Response Time	< 50 ns
Minimum Hipot of Coating	2500 VDC
Minimum I.R. of Coating	1000 MΩ

**Physical Specifications**

Lead Style	
X Nominal	0.492 in.
X Tolerance	0.039 in.
Lead Length Nominal	1.00 in.
Lead Length Tolerance	min. in.
Y Nominal	0.15 in.
Y Tolerance	0.03 in.
d Nominal	0.04 in.
Wire Gauge	18 AWG
Minimum Marking	MDC-FV-20N181K
Nominal Disk Size	20 mm
D Maximum	0.945 in.
T Maximum	0.386 in.
H Maximum	1.024 in.

**Thermal Specifications**

Minimum Operating Temperature	-55 °C
Maximum Operating Temperature	85 °C
Varistor Voltage Temperature Coeff	-0.05 %/°C
Minimum Storage Temperature	-55 °C
Maximum Storage Temperature	125 °C
Current/Energy Derating Above 85°C	-2.5 %/°C



\* Contact Maida for a more detailed configuration drawing.

**Notes**

**Safety Agency Recognitions**

UL 1449 File Number	E321173
UL 1414 File Number	
CSA File Number	
VDE File Number	
SEV File Number	



**DEVELOPMENT COMPANY**

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