



Date: 06/09/2009

MAIDA STYLE NUMBER 20FM181K

MAIDA ITEM NUMBER 01-2375

VARISTOR SPEC SHEET

Electrical Specifications

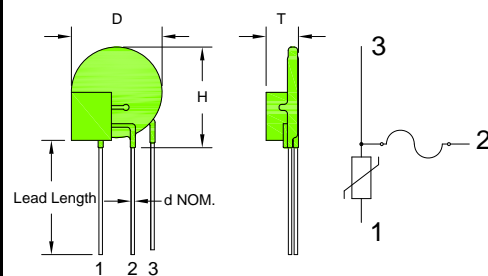
Continuous AC Voltage	115 VAC
Continuous DC Voltage	150 VDC
Maximum DC Leakage @ 150 VDC	200 uA
Low Varistor Voltage Limit	162 VDC
High Varistor Voltage Limit	198 VDC
Nominal Varistor Voltage	180 VDC
Current for Varistor Voltage	1 mA
Maximum Clamp Voltage	300 V
Maximum Clamp Voltage Test Current	100 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-20M181K
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

P.O. Box 3529

Hampton, Virginia 23663

(757) 723-0785 Fax (757) 722-1194