



Date: 06/09/2009

MAIDA STYLE NUMBER 25FM181K

MAIDA ITEM NUMBER 01-2443

**VARISTOR SPEC SHEET**

**Electrical Specifications**

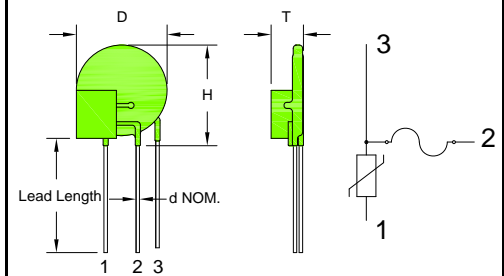
Continuous AC Voltage	115 VAC
Continuous DC Voltage	150 VDC
Maximum DC Leakage @ 0 VDC	200 uA
Low Varistor Voltage Limit	162 VDC
High Varistor Voltage Limit	198 VDC
Nominal Varistor Voltage	180 VDC
Current for Varistor Voltage	1 mA
Maximum Clamp Voltage	300 V
Maximum Clamp Voltage Test Current	150 A
Peak Current Rating (1 Pulse)	18000 A
Peak Current Rating (2 Pulse)	12000 A
Energy Rating (8X20us)	175 J
Energy Rating (10X1000us)	175 J
Typical Capacitance	3500 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	0.04 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-25M181K
Nominal Disk Size	25 mm
D Maximum	1.142 in.
T Maximum	0.465 in.
H Maximum	1.26 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