



Date: 06/09/2009

MAIDA STYLE NUMBER 20FM681K

MAIDA ITEM NUMBER 01-2389

VARISTOR SPEC SHEET

Electrical Specifications

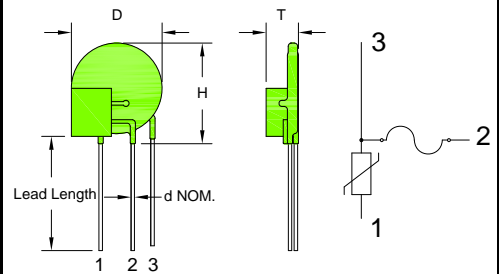
Continuous AC Voltage	420 VAC
Continuous DC Voltage	560 VDC
Maximum DC Leakage @ 560 VDC	200 uA
Low Varistor Voltage Limit	612 VDC
High Varistor Voltage Limit	748 VDC
Nominal Varistor Voltage	680 VDC
Current for Varistor Voltage	1 mA
Maximum Clamp Voltage	1120 V
Maximum Clamp Voltage Test Current	100 A
Peak Current Rating (1 Pulse)	10000 A
Peak Current Rating (2 Pulse)	6000 A
Energy Rating (8X20us)	455 J
Energy Rating (10X1000us)	455 J
Typical Capacitance	600 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	0.307 in.
Y Tolerance	0.03 in.
d Nominal	0.04 in.
Wire Gauge	18 AWG
Minimum Marking	MDC-FV-20M681K
Nominal Disk Size	20 mm
D Maximum	0.945 in.
T Maximum	0.543 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	



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