



Date: 06/09/2009

MAIDA STYLE NUMBER 20FE681K

MAIDA ITEM NUMBER 01-2363

VARISTOR SPEC SHEET

Electrical Specifications

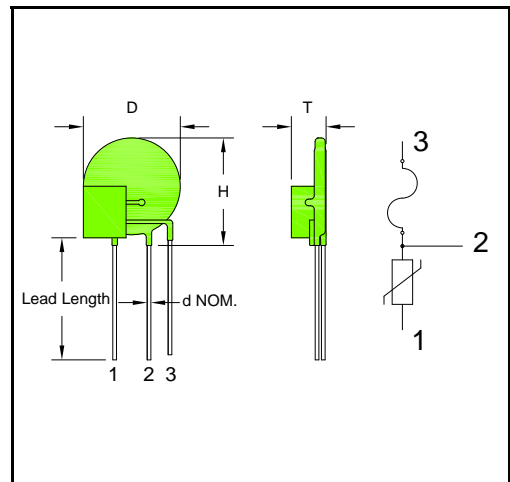
Continuous AC Voltage	420	VAC
Continuous DC Voltage	560	VDC
Maximum DC Leakage @ 560 VDC	200	uA
Low Varistor Voltage Limit	612	VDC
High Varistor Voltage Limit	748	VDC
Nominal Varistor Voltage	680	VDC
Current for Varistor Voltage	1	mA
Maximum Clamp Voltage	1120	V
Maximum Clamp Voltage Test Current	100	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-20E681K
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	



DEVELOPMENT COMPANY

P.O. Box 3529

Hampton, Virginia 23663

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