



Date: 06/09/2009

MAIDA STYLE NUMBER 14FM221K

MAIDA ITEM NUMBER 01-2299

**VARISTOR SPEC SHEET**

**Electrical Specifications**

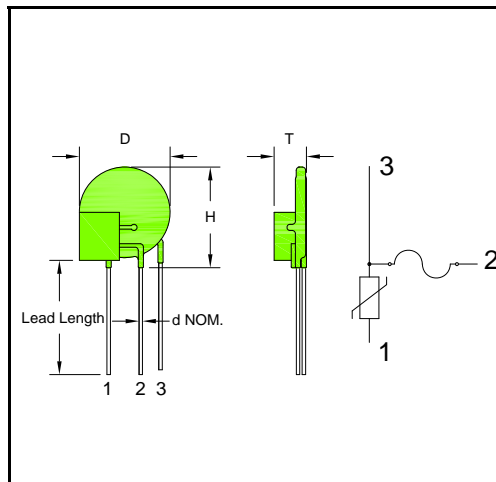
Continuous AC Voltage	140	VAC
Continuous DC Voltage	180	VDC
Maximum DC Leakage @ 180 VDC	200	uA
Low Varistor Voltage Limit	198	VDC
High Varistor Voltage Limit	242	VDC
Nominal Varistor Voltage	220	VDC
Current for Varistor Voltage	1	mA
Maximum Clamp Voltage	360	V
Maximum Clamp Voltage Test Current	50	A
Peak Current Rating (1 Pulse)	6000	A
Peak Current Rating (2 Pulse)	4500	A
Energy Rating (8X20us)	78	J
Energy Rating (10X1000us)	78	J
Typical Capacitance	900	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	0.295 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	0.032 in.
Wire Gauge	20 AWG
Minimum Marking	MDC-FV-14M221K
Nominal Disk Size	14 mm
D Maximum	0.748 in.
T Maximum	0.386 in.
H Maximum	0.827 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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