



Date: 06/09/2009

MAIDA STYLE NUMBER 14FM301K

MAIDA ITEM NUMBER 01-2302

VARISTOR SPEC SHEET

Electrical Specifications

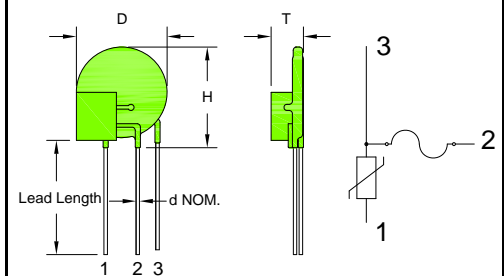
Continuous AC Voltage	190 VAC
Continuous DC Voltage	250 VDC
Maximum DC Leakage @ 250 VDC	200 uA
Low Varistor Voltage Limit	270 VDC
High Varistor Voltage Limit	330 VDC
Nominal Varistor Voltage	300 VDC
Current for Varistor Voltage	1 mA
Maximum Clamp Voltage	500 V
Maximum Clamp Voltage Test Current	50 A
Peak Current Rating (1 Pulse)	6000 A
Peak Current Rating (2 Pulse)	4500 A
Energy Rating (8X20us)	107 J
Energy Rating (10X1000us)	107 J
Typical Capacitance	670 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-14M301K
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

P.O. Box 3529

Hampton, Virginia 23663

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