



Date: 06/09/2009

MAIDA STYLE NUMBER 14FM271K

MAIDA ITEM NUMBER 01-2301

VARISTOR SPEC SHEET

Electrical Specifications

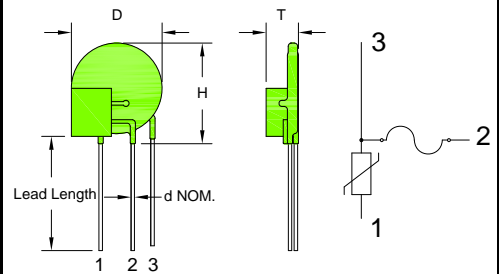
Continuous AC Voltage	175 VAC
Continuous DC Voltage	225 VDC
Maximum DC Leakage @ 225 VDC	200 uA
Low Varistor Voltage Limit	243 VDC
High Varistor Voltage Limit	297 VDC
Nominal Varistor Voltage	270 VDC
Current for Varistor Voltage	1 mA
Maximum Clamp Voltage	455 V
Maximum Clamp Voltage Test Current	50 A
Peak Current Rating (1 Pulse)	6000 A
Peak Current Rating (2 Pulse)	4500 A
Energy Rating (8X20us)	100 J
Energy Rating (10X1000us)	100 J
Typical Capacitance	740 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-14M271K
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	



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