



Date: 06/09/2009

MAIDA STYLE NUMBER 14FN121K

MAIDA ITEM NUMBER 01-2320

VARISTOR SPEC SHEET

Electrical Specifications

Continuous AC Voltage	75 VAC
Continuous DC Voltage	100 VDC
Maximum DC Leakage @ 100 VDC	200 uA
Low Varistor Voltage Limit	108 VDC
High Varistor Voltage Limit	132 VDC
Nominal Varistor Voltage	120 VDC
Current for Varistor Voltage	1 mA
Maximum Clamp Voltage	200 V
Maximum Clamp Voltage Test Current	50 A
Peak Current Rating (1 Pulse)	4500 A
Peak Current Rating (2 Pulse)	2500 A
Energy Rating (8X20us)	40 J
Energy Rating (10X1000us)	40 J
Typical Capacitance	1700 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-14N121K
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