

**VARISTOR SPECIFICATION SHEET**

Date: 01/20/2009

MAIDA STYLE NUMBER 14FM511K

MAIDA ITEM NUMBER 01-2308

CUSTOMER WEB

CUSTOMER P/N N/A

CONTACT N/A

**Electrical Specifications**

Continuous AC Voltage	320 VAC
Continuous DC Voltage	415 VDC
Maximum DC Leakage @ 415 VDC	200 uA
Low Varistor Voltage Limit	459 VDC
High Varistor Voltage Limit	561 VDC
Nominal Varistor Voltage	510 VDC
Current for Varistor Voltage	1 mA
Maximum Clamp Voltage	845 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)	190 J
Energy Rating (10X1000us)	190 J
Typical Capacitance	390 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	0.217 in.
Y Tolerance	0.03 in.
d Nominal	0.032 in.
Wire Gauge	20 AWG
Minimum Marking	MDC-FV-14M511K
Nominal Disk Size	14 mm
D Maximum	0.748 in.
T Maximum	0.453 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

**Notes**

\* Contact Maida for a more detailed configuration drawing.

**Safety Agency Recognitions**

UL 1449 File Number  
 UL 1414 File Number  
 CSA File Number  
 VDE File Number  
 SEV File Number

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**DEVELOPMENT COMPANY**

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