VARISTOR SPEC SHEET

TMOV SERIES

Date: 06/09/2009

VARISTOR SPECIFICATION SHEET

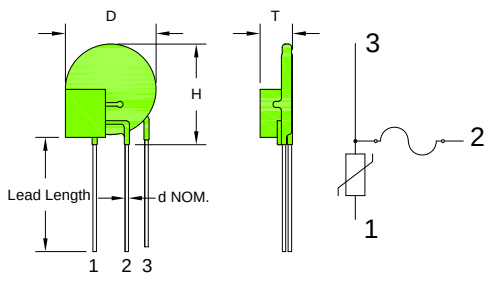
MAIDA STYLE NUMBER 20FM121K **MAIDA ITEM NUMBER** 01-2372

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	100	A
Peak Current Rating (1 Pulse)	10000	A
Peak Current Rating (2 Pulse)	6500	A
Energy Rating (8X20us)	85	J
Energy Rating (10X1000us)	85	J
Typical Capacitance	3300	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	0.492	in.
X Tolerance	0.039	in.
Lead Length Nominal	1.00	in.
Lead Length Tolerance	min.	in.
Y Nominal	0.394	in.
Y Tolerance	0.03	in.
d Nominal	0.04	in.
Wire Gauge	18	AWG
Minimum Marking	MDC-FV-20M121K	
Nominal Disk Size	20	mm
D Maximum	0.945	in.
T Maximum	0.386	in.
H Maximum	1.024	in.



* Contact Maida for a more detailed configuration drawing.

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

Safety Agency Recognitions

UL 1449 File Number	E321173
UL 1414 File Number	
CSA File Number	
VDE File Number	
SEV File Number	

Notes

DEVELOPMENT COMPANY
P.O. Box 3529
Hampton, Virginia 23663
(757) 723-0785 Fax (757) 722-1194