VARISTOR SPEC SHEET

TMOV SERIES

Date: 01/20/2009

VARISTOR SPECIFICATION SHEET

MAIDA STYLE NUMBER 14FM391K **MAIDA ITEM NUMBER** 01-2305

CUSTOMER WEB **CUSTOMER P/N** N/A **CONTACT** N/A

Electrical Specifications

Continuous AC Voltage	250	VAC
Continuous DC Voltage	320	VDC
Maximum DC Leakage @ 320 VDC	200	uA
Low Varistor Voltage Limit	351	VDC
High Varistor Voltage Limit	429	VDC
Nominal Varistor Voltage	390	VDC
Current for Varistor Voltage	1	mA
Maximum Clamp Voltage	650	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)	140	J
Energy Rating (10X1000us)	140	J
Typical Capacitance	510	pF
Impulse Response Time	< 50	ns
Minimum Hipot of Coating	2500	VDC
Minimum I.R. of Coating	1000	MΩ

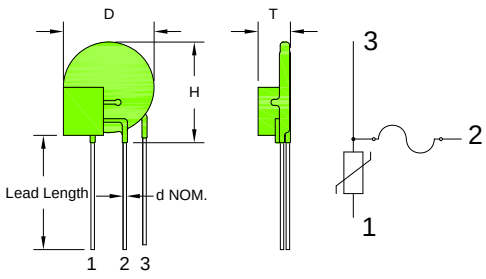
Thermal Specifications

Minimum Operating Temperature	-55	℃
Maximum Operating Temperature	85	℃
Varistor Voltage Temperature Coeff	-0.05	%/℃
Minimum Storage Temperature	-55	℃
Maximum Storage Temperature	125	℃
Current/Energy Derating Above 85℃	-2.5	%/℃

Notes

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-14M391K	
Nominal Disk Size	14	mm
D Maximum	0.748	in.
T Maximum	0.386	in.
H Maximum	0.827	in.



* 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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