VARISTOR SPEC SHEET

TMOV SERIES

Date: 06/09/2009

VARISTOR SPECIFICATION SHEET

MAIDA STYLE NUMBER 20FN431K **MAIDA ITEM NUMBER** 01-2216

Electrical Specifications

Continuous AC Voltage	275	VAC
Continuous DC Voltage	350	VDC
Maximum DC Leakage @ 350 VDC	200	uA
Low Varistor Voltage Limit	387	VDC
High Varistor Voltage Limit	473	VDC
Nominal Varistor Voltage	430	VDC
Current for Varistor Voltage	1	mA
Maximum Clamp Voltage	710	V
Maximum Clamp Voltage Test Current	100	A
Peak Current Rating (1 Pulse)	10000	A
Peak Current Rating (2 Pulse)	6000	A
Energy Rating (8X20us)	270	J
Energy Rating (10X1000us)	270	J
Typical Capacitance	930	pF
Impulse Response Time	< 50	ns
Minimum Hipot of Coating	2500	VDC
Minimum I.R. of Coating	1000	MΩ

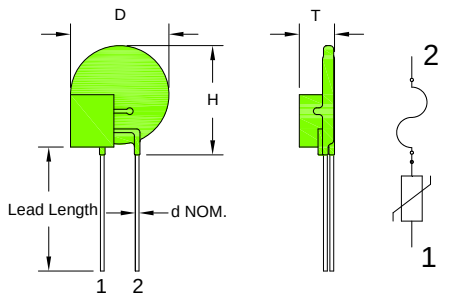
Thermal Specifications

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	0.492	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	0.04	in.
Wire Gauge	18	AWG
Minimum Marking	MDC-FV-20N431K	
Nominal Disk Size	20	mm
D Maximum	0.945	in.
T Maximum	0.453	in.
H Maximum	1.024	in.



* Contact Maida for a more detailed configuration drawing.

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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