



Date: 06/09/2009

MAIDA STYLE NUMBER 25FN271K

MAIDA ITEM NUMBER 01-2470

VARISTOR SPEC SHEET

Electrical Specifications

Continuous AC Voltage	175	VAC
Continuous DC Voltage	225	VDC
Maximum DC Leakage @ 225 VDC	200	uA
Low Varistor Voltage Limit	243	VDC
High Varistor Voltage Limit	297	VDC
Nominal Varistor Voltage	270	VDC
Current for Varistor Voltage	1	mA
Maximum Clamp Voltage	455	V
Maximum Clamp Voltage Test Current	150	A
Peak Current Rating (1 Pulse)	18000	A
Peak Current Rating (2 Pulse)	12000	A
Energy Rating (8X20us)	285	J
Energy Rating (10X1000us)	285	J
Typical Capacitance	2400	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	0.15 in.
Y Tolerance	0.03 in.
d Nominal	0.04 in.
Wire Gauge	18 AWG
Minimum Marking	MDC-FV-25N271K
Nominal Disk Size	25 mm
D Maximum	1.142 in.
T Maximum	0.465 in.
H Maximum	1.26 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	



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