



Date: 06/09/2009

MAIDA STYLE NUMBER 20FM151K

MAIDA ITEM NUMBER 01-2374

VARISTOR SPEC SHEET

Electrical Specifications

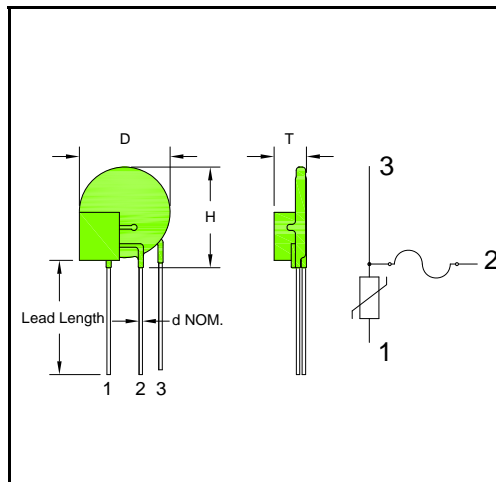
| | |
|------------------------------------|----------|
| Continuous AC Voltage | 95 VAC |
| Continuous DC Voltage | 125 VDC |
| Maximum DC Leakage @ 125 VDC | 200 uA |
| Low Varistor Voltage Limit | 135 VDC |
| High Varistor Voltage Limit | 165 VDC |
| Nominal Varistor Voltage | 150 VDC |
| Current for Varistor Voltage | 1 mA |
| Maximum Clamp Voltage | 250 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) | 100 J |
| Energy Rating (10X1000us) | 100 J |
| Typical Capacitance | 2700 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-20M151K |
| Nominal Disk Size | 20 mm |
| D Maximum | 0.945 in. |
| T Maximum | 0.386 in. |
| H Maximum | 1.024 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 | |



DEVELOPMENT COMPANY

P.O. Box 3529

Hampton, Virginia 23663

(757) 723-0785 Fax (757) 722-1194