



Date: 06/09/2009

MAIDA STYLE NUMBER 20FN101K

MAIDA ITEM NUMBER 01-2395

VARISTOR SPEC SHEET

Electrical Specifications

| | | |
|------------------------------------|-------|-----|
| Continuous AC Voltage | 60 | VAC |
| Continuous DC Voltage | 85 | VDC |
| Maximum DC Leakage @ 85 VDC | 200 | uA |
| Low Varistor Voltage Limit | 90 | VDC |
| High Varistor Voltage Limit | 110 | VDC |
| Nominal Varistor Voltage | 100 | VDC |
| Current for Varistor Voltage | 1 | mA |
| Maximum Clamp Voltage | 165 | 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) | 70 | J |
| Energy Rating (10X1000us) | 70 | J |
| Typical Capacitance | 4000 | 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-20N101K |
| 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 | |



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