



Date: 08/02/2010

HIGH ENERGY SERIES

MAIDA STYLE NUMBER D7780ZOV421RA1500

MAIDA ITEM NUMBER 01-1848

VARISTOR SPEC SHEET

Electrical Specifications

| | | |
|------------------------------------|-------|------|
| Continuous AC Voltage | 420 | VAC |
| Continuous DC Voltage | 560 | VDC |
| Maximum DC Leakage @ 560 VDC | 200 | uA |
| Low Varistor Voltage Limit | 594 | VDC |
| High Varistor Voltage Limit | 725 | VDC |
| Nominal Varistor Voltage | 660 | VDC |
| Current for Varistor Voltage | 1 | mA |
| Maximum Clamp Voltage | 1120 | V |
| Maximum Clamp Voltage Test Current | 500 | A |
| Peak Current Rating (1 Pulse) | 70000 | A |
| Peak Current Rating (2 Pulse) | 52000 | A |
| Energy Rating (8X20us) | 1500 | J |
| Energy Rating (10X1000us) | 1500 | J |
| Typical Capacitance | 2800 | pF |
| Impulse Response Time | < 50 | ns |
| Minimum Hipot of Coating | 2500 | VDC |
| Minimum I.R. of Coating | 1000 | MΩ |
| Current/Energy Derating Above 85°C | -2.5 | %/°C |

Physical Specifications

| | |
|-----------------------|-------------|
| Lead Style | 256 |
| X Nominal | 1 in. |
| X Tolerance | 0.02 in. |
| Y Nominal | 0.19 in. |
| Y Tolerance | 0.04 in. |
| Z Nominal | in. |
| Z Tolerance | in. |
| Lead Length Nominal | in. |
| Lead Length Tolerance | in. |
| d Nominal | 0.02 in. |
| Wire Gauge | 24 AWG |
| Minimum Marking | Z421-1500UL |
| Nominal Disk Size | 53 mm |
| D Maximum | 2.4 in. |
| T Maximum | 0.332 in. |
| H Maximum | 3.075 in. |
| Coating Type | EPOXY |

Thermal Specifications

| | | |
|------------------------------------|-------|------|
| Minimum Operating Temperature | -40 | °C |
| Maximum Operating Temperature | 85 | °C |
| Varistor Voltage Temperature Coeff | -0.05 | %/°C |
| Minimum Storage Temperature | -50 | °C |
| Maximum Storage Temperature | 125 | °C |
| Recommended Solder Temperature | 260 | °C |
| Recommended Reflow Temperature | 260 | °C |

Notes



* Contact Maida for a more detailed configuration drawing.

Safety Agency Recognitions

| | |
|---------------------|---------|
| UL 1449 File Number | E321173 |
| - Tested to Type: | 2 |
| CSA File Number | LR33468 |
| VDE File Number | |
| SEV File Number | |



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