



# STANDARD SERIES

MAIDA STYLE NUMBER D58ZOV300RA01

MAIDA ITEM NUMBER 01-1223

**VARISTOR SPEC SHEET**

### Electrical Specifications

|                                    |                |
|------------------------------------|----------------|
| Continuous AC Voltage              | 30 VAC         |
| Continuous DC Voltage              | 38 VDC         |
| Maximum DC Leakage @ 38 VDC        | 200 $\mu$ A    |
| Low Varistor Voltage Limit         | 42 VDC         |
| High Varistor Voltage Limit        | 52 VDC         |
| Nominal Varistor Voltage           | 47 VDC         |
| Current for Varistor Voltage       | 1 mA           |
| Maximum Clamp Voltage              | 99 V           |
| Maximum Clamp Voltage Test Current | 1 A            |
| Peak Current Rating (1 Pulse)      | 250 A          |
| Peak Current Rating (2 Pulse)      | 125 A          |
| Energy Rating (8X20us)             | 1.5 J          |
| Energy Rating (10X1000us)          | 1.5 J          |
| Typical Capacitance                | 1350 pF        |
| Impulse Response Time              | < 50 ns        |
| Minimum Hipot of Coating           | 2500 VDC       |
| Minimum I.R. of Coating            | 1000 $M\Omega$ |
| Current/Energy Derating Above 85°C | -2.5 %/°C      |

### 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

### Physical Specifications

|                       |           |
|-----------------------|-----------|
| Lead Style            | 005N      |
| X Nominal             | 0.2 in.   |
| X Tolerance           | 0.04 in.  |
| Y Nominal             | 0.066 in. |
| Y Tolerance           | 0.03 in.  |
| Z Nominal             | 0.211 in. |
| Z Tolerance           | 0.04 in.  |
| Lead Length Nominal   | 1.00 in.  |
| Lead Length Tolerance | min. in.  |
| d Nominal             | 0.025 in. |
| Wire Gauge            | 22 AWG    |
| Minimum Marking       | Z300-01UL |
| Nominal Disk Size     | 5 mm      |
| D Maximum             | 0.298 in. |
| T Maximum             | 0.19 in.  |
| H Maximum             | 0.423 in. |
| Coating Type          | EPOXY     |



\* Contact Maida for a more detailed configuration drawing.

### Safety Agency Recognitions

|                     |         |
|---------------------|---------|
| UL 1449 File Number | E321173 |
| - Tested to Type:   | 4       |
| C-UL File Number    |         |
| CSA File Number     |         |
| VDE File Number     |         |
| SEV File Number     |         |



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