



# STANDARD SERIES

MAIDA STYLE NUMBER D58ZOV271RA09

MAIDA ITEM NUMBER 01-0299

**VARISTOR SPEC SHEET**

### Electrical Specifications

|                                    |      |      |
|------------------------------------|------|------|
| Continuous AC Voltage              | 270  | VAC  |
| Continuous DC Voltage              | 360  | VDC  |
| Maximum DC Leakage @ 360 VDC       | 200  | uA   |
| Low Varistor Voltage Limit         | 382  | VDC  |
| High Varistor Voltage Limit        | 466  | VDC  |
| Nominal Varistor Voltage           | 424  | VDC  |
| Current for Varistor Voltage       | 1    | mA   |
| Maximum Clamp Voltage              | 740  | V    |
| Maximum Clamp Voltage Test Current | 5    | A    |
| Peak Current Rating (1 Pulse)      | 800  | A    |
| Peak Current Rating (2 Pulse)      | 600  | A    |
| Energy Rating (8X20us)             | 20   | J    |
| Energy Rating (10X1000us)          | 20   | J    |
| Typical Capacitance                | 79   | 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 |

### 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             | 0.088 in. |
| Y Tolerance           | 0.03 in.  |
| Z Nominal             | 0.219 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       | Z271-09UL |
| Nominal Disk Size     | 5 mm      |
| D Maximum             | 0.298 in. |
| T Maximum             | 0.245 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     |         |



**MAIDA DEVELOPMENT COMPANY**  
P.O. Box 3529  
Hampton, Virginia 23663  
Ph: (757) 723-0785 Fax (757) 722-1194

www.maida.com