



# STANDARD SERIES

MAIDA STYLE NUMBER D58ZOV500RA01

MAIDA ITEM NUMBER 01-0016

**VARISTOR SPEC SHEET**

### Electrical Specifications

|                                    |      |      |
|------------------------------------|------|------|
| Continuous AC Voltage              | 50   | VAC  |
| Continuous DC Voltage              | 66   | VDC  |
| Maximum DC Leakage @ 66 VDC        | 200  | uA   |
| Low Varistor Voltage Limit         | 74   | VDC  |
| High Varistor Voltage Limit        | 90   | VDC  |
| Nominal Varistor Voltage           | 82   | VDC  |
| Current for Varistor Voltage       | 1    | mA   |
| Maximum Clamp Voltage              | 163  | 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)             | 3.5  | J    |
| Energy Rating (10X1000us)          | 3.5  | J    |
| Typical Capacitance                | 360  | 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 |

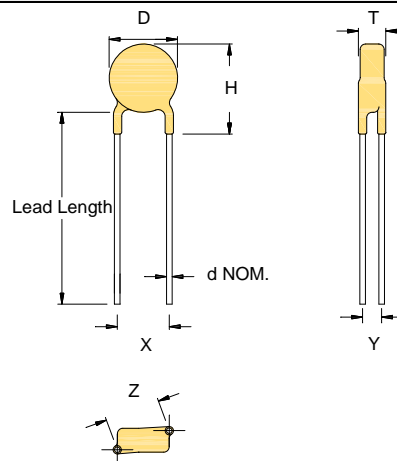
### Thermal Specifications

|                                    |       |      |
|------------------------------------|-------|------|
| 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             | 0.046 in. |
| Y Tolerance           | 0.03 in.  |
| Z Nominal             | 0.205 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       | Z500-01UL |
| Nominal Disk Size     | 5 mm      |
| D Maximum             | 0.298 in. |
| T Maximum             | 0.174 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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