



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 uA |
| 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 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 | 0.066 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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