



# VARISTOR SPEC SHEET

## STANDARD SERIES

## VARISTOR SPECIFICATION SHEET

Date: 02/28/2008

MAIDA STYLE NUMBER D7323ZOV141RX03T14

MAIDA ITEM NUMBER 01-0959

CUSTOMER FUTURE

CUSTOMER P/N N/A

CONTACT FRAN LEISHMAN

### Electrical Specifications

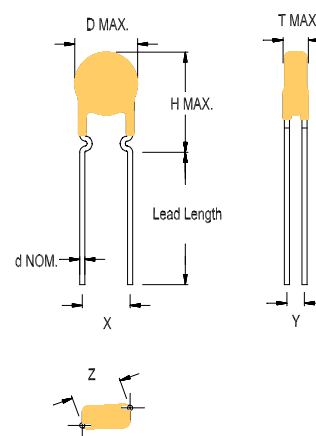
|                                    |      |     |
|------------------------------------|------|-----|
| Continuous AC Voltage              | 140  | VAC |
| Continuous DC Voltage              | 180  | VDC |
| Maximum DC Leakage @ 180 VDC       | 200  | uA  |
| Low Varistor Voltage Limit         | 198  | VDC |
| High Varistor Voltage Limit        | 238  | VDC |
| Nominal Varistor Voltage           | 218  | VDC |
| Current for Varistor Voltage       | 1    | mA  |
| Maximum Clamp Voltage              | 355  | V   |
| Maximum Clamp Voltage Test Current | 10   | A   |
| Peak Current Rating (1 Pulse)      | 1750 | A   |
| Peak Current Rating (2 Pulse)      | 1250 | A   |
| Energy Rating (8X20us)             | 20   | J   |
| Energy Rating (10X1000us)          | 20   | J   |
| Typical Capacitance                | 280  | pF  |
| Impulse Response Time              | < 50 | ns  |
| Minimum Hipot of Coating           | 2500 | VDC |
| Minimum I.R. of Coating            | 1000 | MΩ  |

### Physical Specifications

|                       |            |
|-----------------------|------------|
| Lead Style            | 046D       |
| X Nominal             | 0.2 in.    |
| X Tolerance           | 0.03 in.   |
| Lead Length Nominal   | TAPE in.   |
| Lead Length Tolerance | & REEL in. |
| Y Nominal             | 0.065 in.  |
| Y Tolerance           | 0.03 in.   |
| d Nominal             | 0.025 in.  |
| Wire Gauge            | 22 AWG     |
| Minimum Marking       | Z141-03UL  |
| Nominal Disk Size     | 7 mm       |
| D Maximum             | 0.354 in.  |
| T Maximum             | 0.208 in.  |
| H Maximum             | 0.554 in.  |

### 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     |
| Current/Energy Derating Above 85°C | -2.5 %/°C  |



\* Contact Maida for a more detailed configuration drawing.

### Notes

Lead Free - Complies with RoHS



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### Safety Agency Recognitions

|                     |               |
|---------------------|---------------|
| UL 1449 File Number | E86730        |
| UL 1414 File Number | E38785        |
| UL 497B File Number | E180012       |
| CSA File Number     | LR33468       |
| VDE File Number     | 40017480      |
| SEV File Number     | 96.7 70250.01 |