



Date: 07/28/2010

# HIGH ENERGY SERIES

MAIDA STYLE NUMBER D75C6ZOV151RA360

MAIDA ITEM NUMBER 01-1794

**VARISTOR SPEC SHEET**

### Electrical Specifications

|                                    |       |      |
|------------------------------------|-------|------|
| Continuous AC Voltage              | 150   | VAC  |
| Continuous DC Voltage              | 200   | VDC  |
| Maximum DC Leakage @ 200 VDC       | 200   | uA   |
| Low Varistor Voltage Limit         | 212   | VDC  |
| High Varistor Voltage Limit        | 259   | VDC  |
| Nominal Varistor Voltage           | 236   | VDC  |
| Current for Varistor Voltage       | 1     | mA   |
| Maximum Clamp Voltage              | 395   | V    |
| Maximum Clamp Voltage Test Current | 300   | A    |
| Peak Current Rating (1 Pulse)      | 40000 | A    |
| Peak Current Rating (2 Pulse)      | 32000 | A    |
| Energy Rating (8X20us)             | 360   | J    |
| Energy Rating (10X1000us)          | 360   | J    |
| Typical Capacitance                | 6500  | 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 |

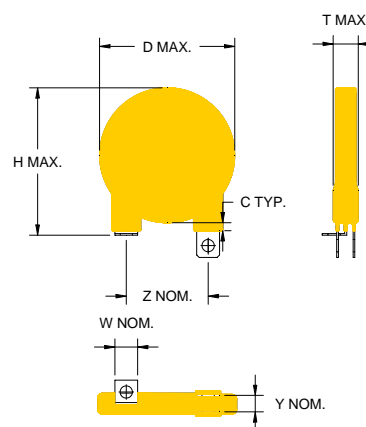
### Physical Specifications

|                       |              |
|-----------------------|--------------|
| Lead Style            |              |
| X Nominal             | 1 in.        |
| X Tolerance           | 0.02 in.     |
| Y Nominal             | 0.214 in.    |
| Y Tolerance           | 0.04 in.     |
| Z Nominal             | in.          |
| Z Tolerance           | in.          |
| Lead Length Nominal   | in.          |
| Lead Length Tolerance | in.          |
| d Nominal             | 0.02 in.     |
| Wire Gauge            | 24 AWG       |
| Minimum Marking       | 2xZ151-360UL |
| Nominal Disk Size     | 40 mm        |
| D Maximum             | 1.65 in.     |
| T Maximum             | 0.327 in.    |
| H Maximum             | 2.225 in.    |
| Coating Type          | EPOXY        |

NOTE: Electrical Specifications are for each disc in package.

### 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   |



\* Contact Maida for a more detailed configuration drawing.

### Notes

### Safety Agency Recognitions

|                     |         |
|---------------------|---------|
| UL 1449 File Number | E321173 |
| - Tested to Type:   | 2       |
| CSA File Number     |         |
| VDE File Number     |         |
| SEV File Number     |         |



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