



Date: 08/03/2010

**SMT SERIES****MAIDA STYLE NUMBER** 8S17SM350T6**MAIDA ITEM NUMBER** 01-0281**Electrical Specifications**

|                                    |      |     |
|------------------------------------|------|-----|
| Continuous AC Voltage              | 35   | VAC |
| Continuous DC Voltage              | 45   | VDC |
| Maximum DC Leakage @ 45 VDC        | 200  | uA  |
| Low Varistor Voltage Limit         | 50   | VDC |
| High Varistor Voltage Limit        | 62   | VDC |
| Nominal Varistor Voltage           | 56   | VDC |
| Current for Varistor Voltage       | 1    | mA  |
| Maximum Clamp Voltage              | 107  | V   |
| Maximum Clamp Voltage Test Current | 5    | A   |
| Peak Current Rating (1 Pulse)      | 250  | A   |
| Peak Current Rating (2 Pulse)      | 125  | A   |
| Energy Rating (8X20us)             | 2.3  | J   |
| Energy Rating (10X1000us)          | 2.3  | J   |
| Typical Capacitance                | 700  | pF  |
| Impulse Response Time              | < 50 | ns  |
| Minimum Hipot of Coating           | N/A  | VDC |
| Minimum I.R. of Coating            | N/A  | MΩ  |

**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 |

**Notes**

Lead Free - Complies with RoHS

[www.maida.com](http://www.maida.com)**MAIDA DEVELOPMENT COMPANY**

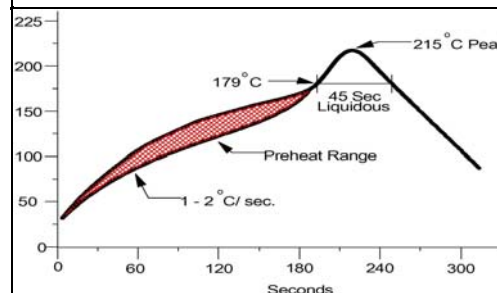
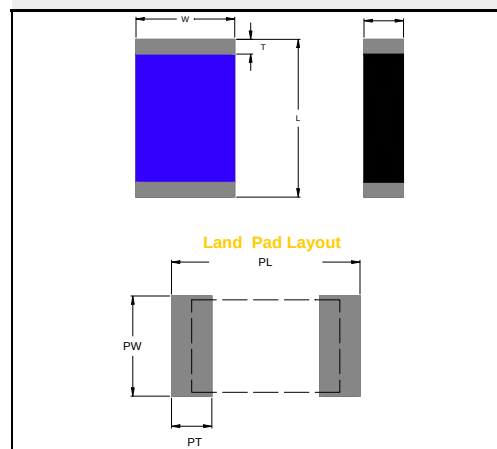
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Hampton, Virginia 23663

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**Physical Specifications**

|                         |          |     |
|-------------------------|----------|-----|
| Length                  | 0.32     | in. |
| Length Tolerance        | ± 0.0120 | in. |
| Width                   | 0.2      | in. |
| Width Tolerance         | ± 0.012  | in. |
| Max. Height             | 0.0560   | in. |
| Termination Spacing     | 0.03     | in. |
| Termination Tolerance ± | 0.02     | in. |
| Pad Length              | 0.402    | in. |
| Pad Width               | 0.2165   | in. |
| Pad Thickness           | 0.087    | in. |



Recommended Reflow Soldering Profile

**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