



Date: 10/24/2008

MAIDA STYLE NUMBER 8S17SM300

MAIDA ITEM NUMBER 01-1009

**VARISTOR SPEC SHEET**

**Electrical Specifications**

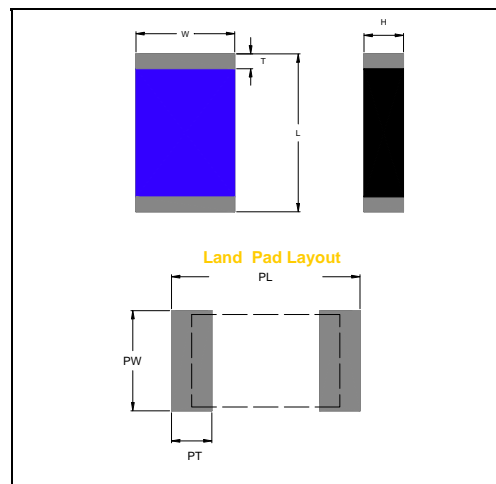
Continuous AC Voltage	30	VAC
Continuous DC Voltage	38	VDC
Maximum DC Leakage @ Rated VDC	200	uA
Low Varistor Voltage Limit	42	VDC
High Varistor Voltage Limit	52	VDC
Nominal Varistor Voltage	47	VDC
Current for Varistor Voltage	1	mA
Maximum Clamp Voltage	92	V
Maximum Clamp Voltage Test Current	5	A
Peak Current Rating (1 Pulse)	250	A
Peak Current Rating (2 Pulse)	125	A
Energy Rating (8X20us)	1.8	J
Energy Rating (10X1000us)	1.8	J
Typical Capacitance	800	pF
Impulse Response Time	< 50	ns
Minimum Hipot of Coating	N/A	VDC
Minimum I.R. of Coating	N/A	MΩ

**Physical Specifications**

Length	0.32	in.
Length Tolerance	± 0.0120	in.
Width	0.2	in.
Width Tolerance	± 0.012	in.
Max. Height	0.047	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.

**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



**DEVELOPMENT COMPANY**

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**Safety Agency Recognitions**

- UL 1449 File Number E86730
- UL 1414 File Number
- CSA File Number
- VDE File Number
- SEV File Number