



LOW PROFILE SERIES

MAIDA STYLE NUMBER S6678ZOV181RA310

MAIDA ITEM NUMBER 01-1373

VARISTOR SPEC SHEET

Electrical Specifications

Continuous AC Voltage	180 VAC
Continuous DC Voltage	230 VDC
Maximum DC Leakage @ 230 VDC	200 μ A
Low Varistor Voltage Limit	255 VDC
High Varistor Voltage Limit	311 VDC
Nominal Varistor Voltage	283 VDC
Current for Varistor Voltage	1 mA
Maximum Clamp Voltage	455 V
Maximum Clamp Voltage Test Current	200 A
Peak Current Rating (1 Pulse)	18000 A
Peak Current Rating (2 Pulse)	15000 A
Energy Rating (8X20us)	310 J
Energy Rating (10X1000us)	310 J
Typical Capacitance	3210 pF
Impulse Response Time	< 50 ns
Minimum Hipot of Coating	2500 VDC
Minimum I.R. of Coating	1000 $M\Omega$
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	059L1
X Nominal	0.394 in.
X Tolerance	0.04 in.
Y Nominal	0.146 in.
Y Tolerance	0.03 in.
Z Nominal	0.42 in.
Z Tolerance	0.04 in.
Lead Length Nominal	1.00 in.
Lead Length Tolerance	min. in.
d Nominal	0.032 in.
Wire Gauge	20 AWG
Minimum Marking	S66-181UL
Nominal Disk Size	25 mm
D Maximum	1.142 in.
T Maximum	0.267 in.
H Maximum	1.267 in.
Coating Type	EPOXY



* Contact Maida for a more detailed configuration drawing.

Safety Agency Recognitions

UL 1449 File Number	E321173
- Tested to Type:	2
CSA File Number	LR33468
VDE File Number	
SEV File Number	



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