

SENSITRON

SEMICONDUCTOR

Transient Voltage Suppressor

PART NUMBER:SV6106

PACKAGE STYLE:AxialTVS

CONFIGURATION:Transient Voltage Suppressor

-All ratings are @ Tc = 25 °C unless otherwise specified.

[Disclaimer](#)

MAXIMUM RATINGS / ELECTRICAL CHARACTERISTICS	SYMBOL	VALUE	UNITS
MIN BREAKDOWN VOLTAGE	Min V _{dc}	9	Vdc
TEST CURRENT	mAmps _{dc}	125	mAmps _{dc}
WORKING PEAK REVERSE VOLTAGE VRWM	V _{dc}	8	Vdc
MAXIMUM REVERSE CURRENT	I _{R1}	20	uAmps dc
MAXIMUM CLAMP VOLTAGE	VC(max)@Ip, tp=1ms	15.2	Volts(pk)
MAXIMUM PEAK PULSE CURRENT	I _p	32.9	Amps(pk)
MAXIMUM TEMPERATURE COEFFICIENT	VBR	0.07	%/°C
PEAK PULSE POWER	P _{pp}	500	Watts
OPERATING TEMPERATURE	T _o	-55 to +175	°C
STORAGE TEMPERATURE	T _o	-55 to +175	°C

NOTES:

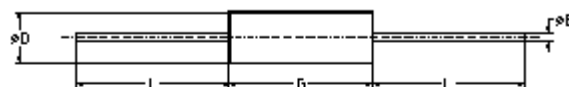
PR = 3W (for 1,500W) peak pulse power devices at TA = +25°C

PR = 5W (for 1,500W) peak pulse power devices at TL = +75°C for L = 0.375 inch (9.53mm).

PPR = 1,500W at tp = 1ms

MECHANICAL DIMENSIONS: In Inches / mm

AXIAL



500 W

PACKAGE STYLE	DIMENSIONS - INCHES / MILLIMETERS			
	ϕB	ϕD	G	L
AXIAL	.026/.033 .66/.84	.085/.140 2.16/.3.56	.140/.185 3.56/.4.70	1.00/1.30 25.4/.33.02

1500 W

PACKAGE STYLE	DIMENSIONS - INCHES / MILLIMETERS			
	ϕB	ϕD	G	L
AXIAL	.036/.042 .92/1.07	.135/.185 3.43/.4.70	.140/.195 3.56/.4.95	1.00/1.30 25.4/.33.02

***This drawing is for reference only.**

Data and specifications subject to change without notice.

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