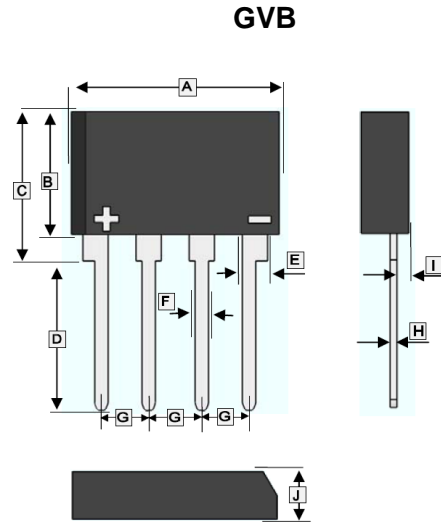


RoHS Compliant Product

## FEATURES

- Ideal for printed circuit board
- Low forward voltage drop, high current capability
- Reliable low cost construction utilizing molded plastic technique results in inexpensive product
- These are Halogen & Pb Free components



REF.	Millimeter		REF.	Millimeter	
	Min.	Max.		Min.	Max.
A	15.3	15.9	F	0.70	0.80
B	7.00	7.40	G	3.90	4.10
C	9.00	9.60	H	0.40	0.60
D	10.0	-	I	0.70	1.10
E	1.20	1.40	J	3.20	3.60

## MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

(Rating 25°C ambient temperature unless otherwise specified. Single phase half wave, 60Hz, resistive or inductive load.  
For capacitive load, de-rate current by 20%.)

Parameter	Symbol	Part Number				Unit
		S4GVB20-C	S4GVB40-C	S4GVB60-C	S4GVB80-C	
Maximum Recurrent Peak Reverse Voltage	$V_{RRM}$	200	400	600	800	V
Average Rectified Output Current @50Hz sine wave, R-load	$T_C=110^\circ\text{C}$ , (with heatsink)	4				A
	$T_A=25^\circ\text{C}$ (without heatsink)	2.3				
Peak Forward Surge Current @ 50Hz sine wave, 1 cycle, $T_A=25^\circ\text{C}$	$I_{FSM}$	120				A
Maximum Peak Forward Voltage <sup>2</sup>	$V_{FM}$	1.05				V
Peak Reverse Current <sup>1</sup>	$I_{RRM}$	5				$\mu\text{A}$
$I^2t$ Rating for Fusing @ $1\text{ms} \leq t < 10\text{ms}$ , $T_J=25^\circ\text{C}$	$I^2t$	72				$\text{A}^2\text{s}$
Typical Thermal Resistance	$R_{\theta JA}$	62				$^\circ\text{C/W}$
Typical Thermal Resistance	$R_{\theta JL}$	16				$^\circ\text{C/W}$
Operating and Storage temperature range	$T_J, T_{STG}$	150, -40~150				$^\circ\text{C}$

Notes :

1.  $V_{RM}=V_{RRM}$ , Pulse measurement, Rating of per diode.
2.  $I_{FM}=2\text{A}$ , Pulse measurement, Rating of per diode

**RATINGS AND CHARACTERISTIC CURVES**

