

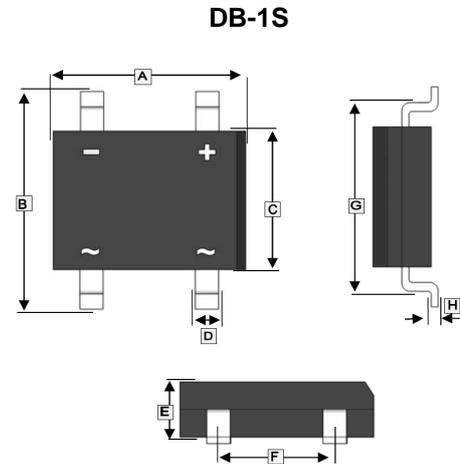
RoHS Compliant Product  
A suffix of "-C" specifies halogen & lead-free

## FEATURES

- Glass Passivated Die Construction
- Low Forward Voltage Drop
- High Current Capability
- High Surge Current Capability
- Designed for Surface Mount Application

## APPLICATIONS

- General Purpose 1 Phase Bridge Rectifier Applications



REF.	Millimeter		REF.	Millimeter	
	Min.	Max.		Min.	Max.
A	8.10	8.80	E	2.80	3.40
B	9.60	10.3	F	5.00	5.20
C	6.20	6.50	G	8.1 TYP.	
D	0.95	1.20	H	0.20	0.35

## MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

(Rating at 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
		DB 201S	DB 202S	DB 203S	DB 204S	DB 205S	DB 206S	DB 207S	
Repetitive Peak Reverse Voltage	$V_{RRM}$	50	100	200	400	600	800	1000	V
Average Rectified Output Current @60Hz Sine Wave	$I_O$	2							A
Surge (Non-Repetitive) Forward Current @60Hz Sine Wave, 1Cycle, $T_J=25^\circ\text{C}$	$I_{FSM}$	60							A
Peak Forward Voltage @ $I_F=1\text{A}$	$V_{FM}$	1.1							V
Peak Reverse Current	$I_{RRM}$	10							$\mu\text{A}$
Current Squared Time @ $1\text{ms} \leq t < 8.3\text{ms}$ , $T_J=25^\circ\text{C}$	$I^2t$	15							$\text{A}^2\text{s}$
Typical Thermal Resistance from Junction to Ambient	$R_{\theta JA}$	68							$^\circ\text{C/W}$
Typical Thermal Resistance from Junction to Lead	$R_{\theta JL}$	15							
Operating and Storage Temperature Range	$T_J, T_{STG}$	-55~150							$^\circ\text{C}$