

# DB201S THRU DB207S

## SINGLE-PHASE GLASS PASSIVATED SILICON SURFACE MOUNT BRIDGE RECTIFIER

Reverse Voltage - 50 to 1000 V

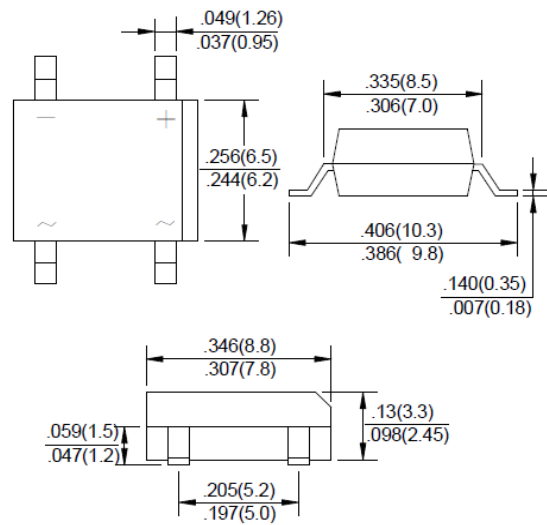
Forward Current - 2 A

### Features

- Ideal for automated placement
- Applicable for automotive insertion
- High surge current capability

### Mechanical Data

- Case: DB-S
- Epoxy: UL 94V-0 rate flame retardant
- Terminals: Matte tin plated leads, solderable per J-STD-002B and JESD22-B102D
- Polarity: As marked on body



Dimensions in inches and millimeter

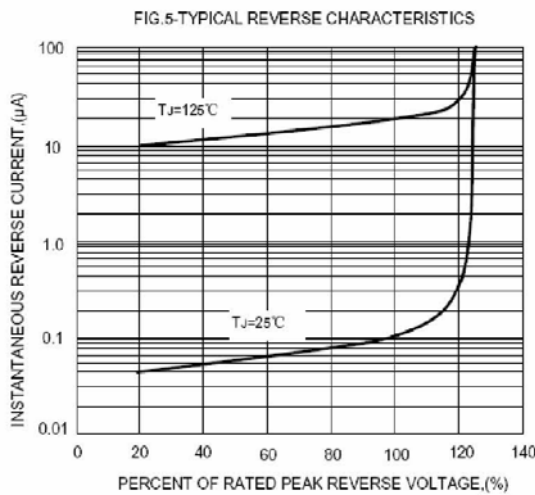
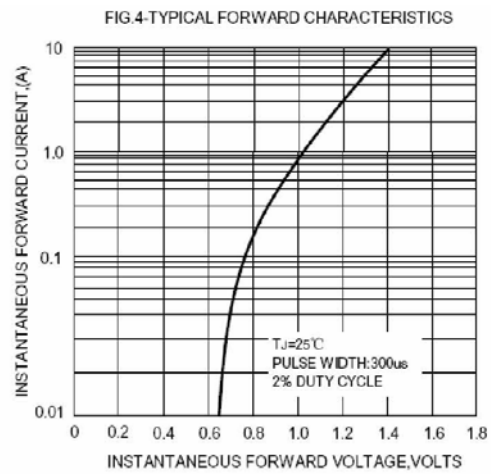
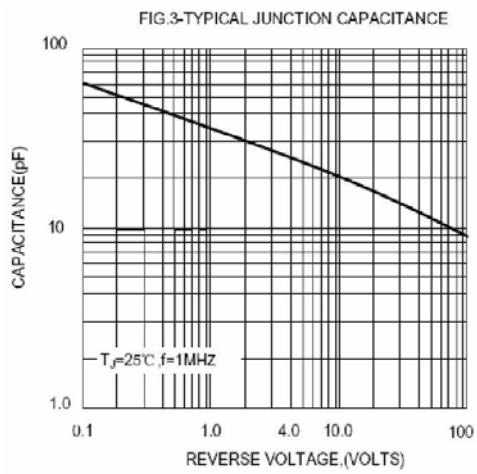
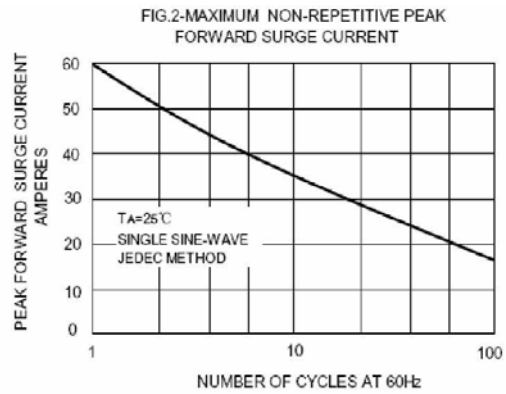
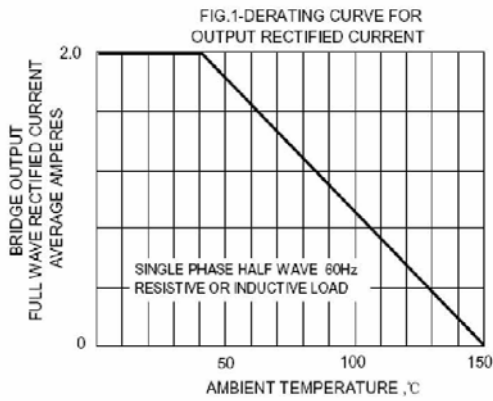
### Maximum Ratings and Electrical Characteristics

Ratings at 25°C ambient temperature unless otherwise specified.

Parameter	Symbols	DB201S	DB202S	DB203S	DB204S	DB205S	DB206S	DB207S	Units
Maximum repetitive Peak Reverse Voltage	$V_{RRM}$	50	100	200	400	600	800	1000	V
Maximum RMS Voltage	$V_{RMS}$	35	70	140	280	420	560	700	V
Maximum DC Blocking Voltage	$V_{DC}$	50	100	200	400	600	800	1000	V
Maximum Average Forward output Rectified Current at $T_A = 40^\circ\text{C}$	$I_{F(AV)}$	2							A
Peak Forward Surge Current Single sine -wave Superimposed on Rated Load (JEDEC Method)	$I_{FSM}$	60							A
Maximum Forward Voltage drop per leg at 2 A	$V_F$	1.1							V
Maximum DC Reverse Current $T_A = 25^\circ\text{C}$ at Rated DC Blocking Voltage per leg $T_A = 125^\circ\text{C}$	$I_R$	10 500							$\mu\text{A}$
Typical Junction Capacitance per element at 1 MHz, 4 V	$C_J$	25							pF
Operating and Storage Temperature Range	$T_j, T_{stg}$	- 55 to + 150							$^\circ\text{C}$

**TOP DYNAMIC**

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