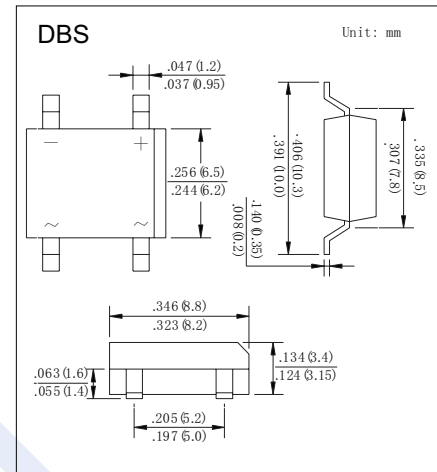


## Bridge Rectifier

### DB201S~DB207S

#### ■ Features

- Rating to 1000V PRV
- Ideal for printed circuit board
- Low forward voltage drop, high current capability
- Reliable low cost construction utilizing molded plastic technique results in inexpensive product



#### ■ Absolute 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, derate current by 20%

Parameter	Symbol	DB 201S	DB 202S	DB 203S	DB 204S	DB 205S	DB 206S	DB 207S	Unit
Maximum Recurrent 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	
Maximum DC Blocking Voltage	$V_{DC}$	50	100	200	400	600	800	1000	
Maximum Average Forward Rectified Current @ $T_A=40^\circ\text{C}$	$I_{(AV)}$	2.0							A
Peak Forward Surge Current 8.3ms Single Half Sine-Wave Super Imposed on Rated Load(JEDEC .Method)	$I_{FSM}$	60							
Maximum Forward Voltage at 2.0A DC	$V_F$	1.1							V
Maximum DC Reverse Current @ $T_J=25^\circ\text{C}$ at rated DC blocking voltage @ $T_J=125^\circ\text{C}$	$I_R$	10							$\mu\text{A}$
		500							
$I^2t$ Rating for Fusing ( $t < 8.3\text{ms}$ )	$I^2t$	10.4							$\text{A}^2\text{s}$
Typical Junction capacitance Per Element(Note1)	$C_J$	25							pF
Typical thermal resistance(Note2)	$R_{thJA}$	40							$^\circ\text{C}/\text{W}$
Junction Temperature	$T_J$	150							$^\circ\text{C}$
Storage Temperature	$T_{stg}$	-55 to 150							

Notes:

1. Measured at 1.0MHz and applied reverse voltage of 4.0V DC

2. Thermal resistance from junction to ambient mounted on P.C.B with 0.5\*0.5"(13\*13mm) copper pads.

#### ■ Marking

NO.	DB201S	DB202S	DB203S	DB204S	DB205S	DB206S	DB207S
Marking	DB201S	DB202S	DB203S	DB204S	DB205S	DB206S	DB207S

# Bridge Rectifier

## DB201S~DB207S

### Typical Characteristics

