

## 1.0 Amp Glass passivated Bridge Rectifiers

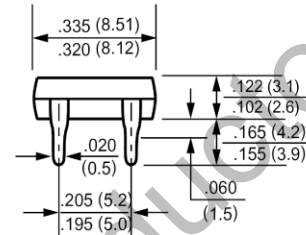
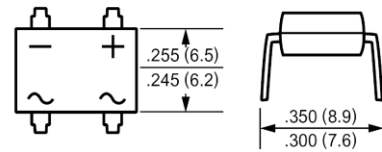


DB101-DB107

## Features:

- Glass passivated chip junction
- Ideal for surface mounted applications
- High forward surge current capability
- High temperature soldering guaranteed:  
260°C/10 seconds at terminals
- Low leakage

DB



Dimensions in inches and (millimeters)

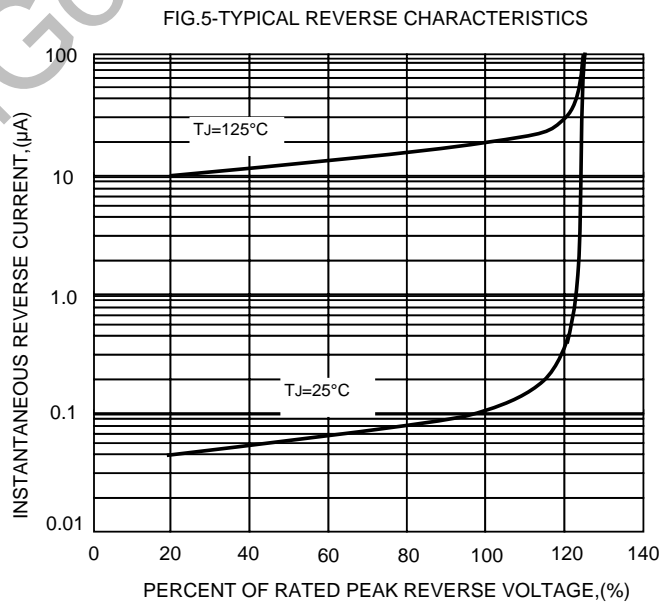
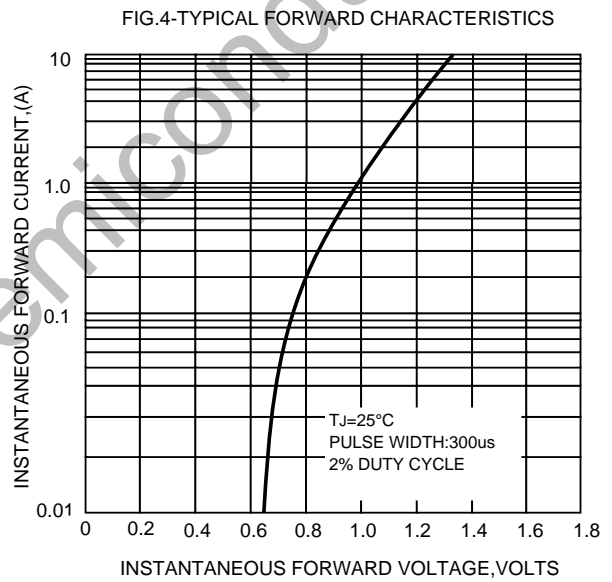
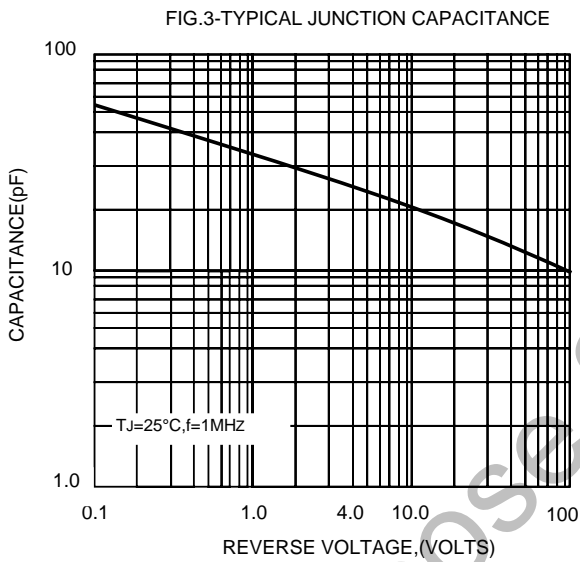
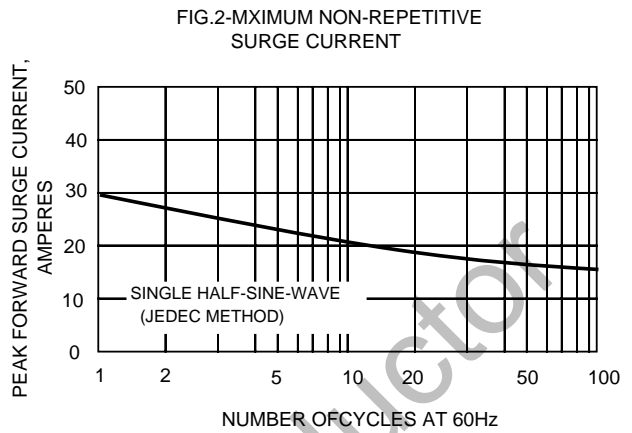
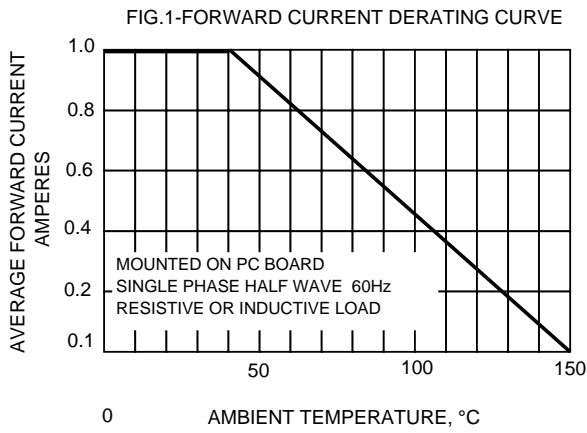
## Absolute Maximum Ratings (Ta=25°C unless otherwise noted)

Parameter	Symbol	DB 101	DB 102	DB 103	DB 104	DB 105	DB 106	DB 107	Unit
Maximum Reverse Peak Repetitive 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 Rectified Output Current, 0.06"(1.5mm) lead length at Ta=40°C (Note 1)	$I_{(AV)}$	1							A
Peak Forward Surge Current 8.3ms single half sine wave superimposed on rated load (JEDEC Method)	$I_{FSM}$	30							A
Total Device Dissipation Derate above 25°C	$P_D$	5							W
Maximum Reverse Current @ rated $V_R$ Ta = 25°C Ta = 100°C	$I_R$	5 500							µA
Maximum Forward Voltage @ 1.0 A	$V_F$	1.1							V
Typical Thermal Resistance (NOTE 1)	$R_{\theta JA}$	40							°C/W
Typical Junction Capacitance @ $V_R = 4.0$ V, $f = 1.0$ MHz	$C_j$	25							pF
Operating and Storage Temperature Range	$T_j, T_{stg}$	-55 to +150							°C

Note :1.Unit mounted on P.C.B. with 0.51"x0.51" ( 13x13mm) copper pads.

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Typical Characteristics



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