

Features

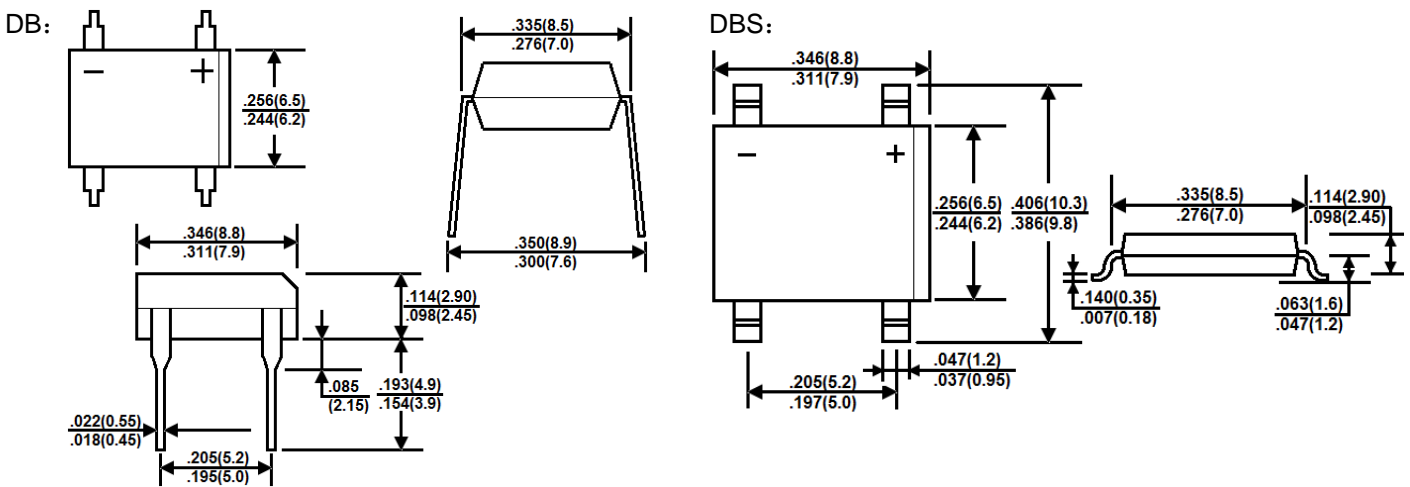
- * Ideal For Printed Circuit Board
- * Reliable low cost construction utilizing molded plastic Technique
- * High Surge Current Capability
- * Small Size, Simple Installation
- * Leads Solderable per MIL-STD-202 method 208



RoHS
COMPLIANT



Package Outline Dimensions in inches (millimeters)



Maximum Ratings and Electrical Characteristics

Rating at 25 °C ambient temperature unless otherwise specified. Single phase, half wave, 60 Hz, resistive or inductive load. For capacitive load, derate current by 20%.

Type Number	Symbol	DB 101(S)	DB 102(S)	DB 103(S)	DB 104(S)	DB 105(S)	DB 106(S)	DB 107(S)	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	V
Maximum DC blocking Voltage	V_{DC}	50	100	200	400	600	800	1000	V
Maximum Average Forward Rectified Current at $T_A=40^\circ\text{C}$	$I_F(\text{av})$	1.0							A
Peak Forward Surge Current 8.3ms single half sine-wave superimposed on rated load	I_{FSM}	50.0							A
Maximum Instantaneous Forward Voltage at forward current 1.0A	V_F	1.10							V
Maximum DC Reverse Current $T_J=25^\circ\text{C}$ at rated DC blocking voltage $T_J=125^\circ\text{C}$	I_R	10 500							μA μA
I^2t Rating for Fusing($t<8.3\text{ms}$)	I^2t	10.4							A^2S
Typical Junction Capacitance Per Element(Note1)	C_J	25							pF
Typical Thermal Resistance (Note2)	$R_{\theta JC}$	40							$^\circ\text{C/W}$
Operating Junction and Storage Temperature Range	T_J / T_{stg}	-55 to +150							$^\circ\text{C}$

Note: 1、 measured at 1.0 MHz and applied reverse voltage of 4.0 DC

2、 thermal resistance from junction to ambient mounted on P.C.B with $0.5 \times 0.5(13 \times 13\text{mm})$ copper pads.

Ratings and Characteristic Curves

FIG.1-FORWARD CURRENT DERATING CURVE

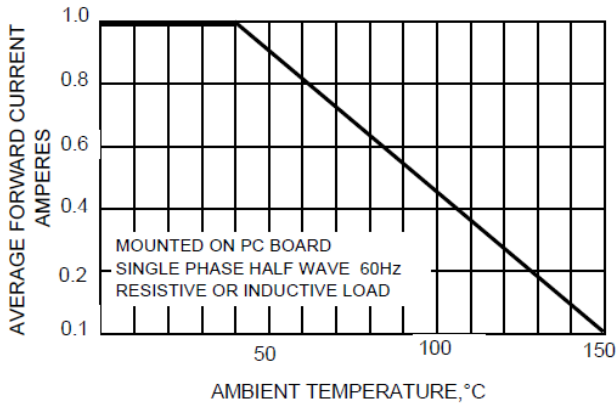


FIG.2-MXIMUM NON-REPETITIVE SURGE CURRENT

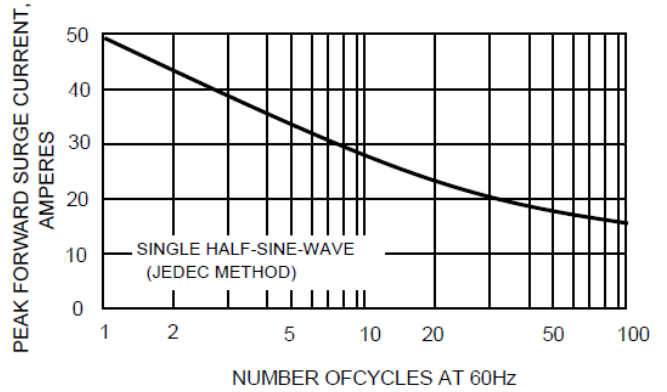


FIG.3-TYPICAL JUNCTION CAPACITANCE

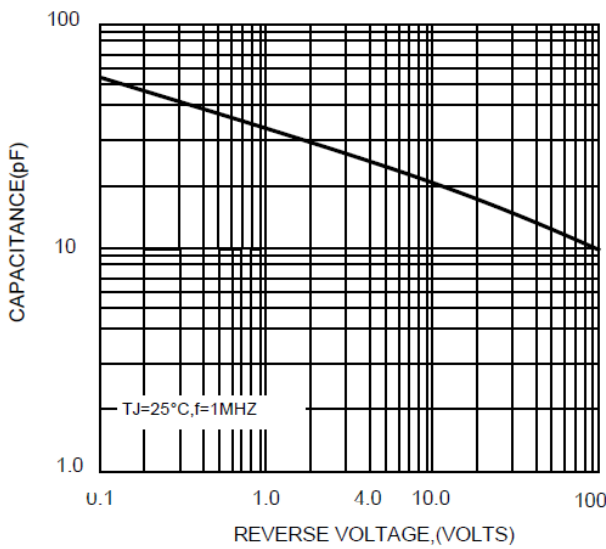


FIG.4-TYPICAL FORWARD CHARACTERISTICS

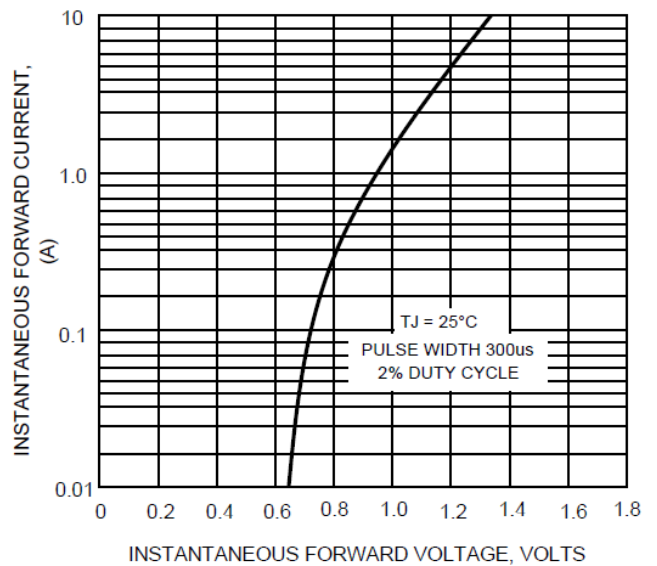
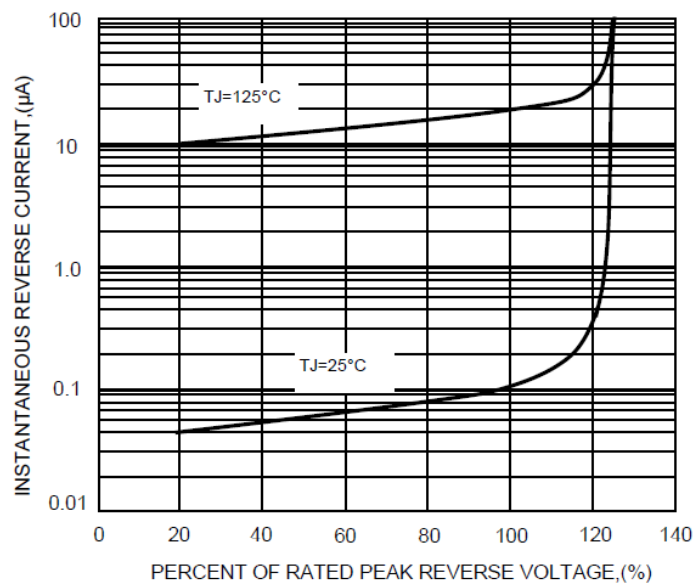


FIG.5-TYPICAL REVERSE CHARACTERISTICS





DB101(S) THRU DB107(S)
Glass Passivated Bridge Rectifiers

Ordering Information

Part No.	Package	Packing
DB101~DB107	DB	50pcs/Tube
DB101S~DB107S	DBS	1K/Reel

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for [Bridge Rectifiers](#) category:

Click to view products by [JGD SEMICONDUCTORS](#) manufacturer:

Other Similar products are found below :

[G3SBA60-E351](#) [GBJ1504-BP](#) [GBU10B-BP](#) [GBU15J-BP](#) [GBU15K-BP](#) [GBU4A-BP](#) [GBU4D-BP](#) [GBU6B-E3/45](#) [GSIB680-E3/45](#) [DB101-BP](#) [DF10SA-E345](#) [RMB2S](#) [RCG](#) [APT30DF100HJ](#) [APT60DF20HJ](#) [B2S-E3/80](#) [BU1506-E351](#) [BU15085S-E345](#) [BU1508-E3/45](#) [BU1510-E3/45](#) [RS404GL-BP](#) [RS405GL-BP](#) [G3SBA20-E3/51](#) [G5SBA20-E3/51](#) [G5SBA60-E3/51](#) [GBJ1502-BP](#) [GBL02-E351](#) [GBL10-E3/45](#) [GBU10J-BP](#) [GBU4J-BP](#) [GBU4K-BP](#) [GBU8B-E3/45](#) [GBU8D-BP](#) [GBU8J-BP](#) [GSIB1520-E3/45](#) [MB1510](#) [MB352W](#) [MB6M-G](#) [B2M-E345](#) [B40C7000A](#) [B500C7000A](#) [MP5010W-BP](#) [MP501W-BP](#) [MP502-BP](#) [BR1005-BP](#) [BR101-BP](#) [BU1006-E345](#) [BU12065S-E3/45](#) [BU1508-E3/51](#) [BU2006-E3/45](#) [BU2008-E345](#)