DB101 THRU DB107

Voltage Range - 50 to 1000 Volts Current - 1.0 Ampere

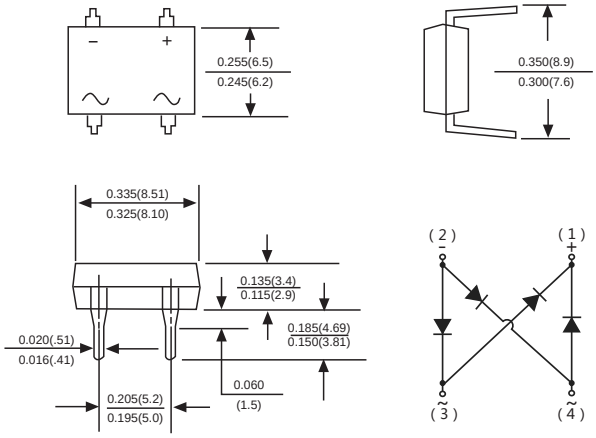
SINGLE PHASE GLASS PASSIVATED BRIDGE RECTIFIERS

Features

DB

RoHS COMPLIANT

- Ideal for printed circuit board
- Reliable low cost construction utilizing molded plastic technique
- High temperature soldering guaranteed: 260°/10 seconds at 5 lbs., (2.3kg) tension
- Small size, simple installation
- High surge current capability



Dimensions in inches and (millimeters)

Mechanical Data

Case : JEDEC DB Molded plastic body
Terminals : Solder plated, solderable per MIL-STD-750,Method 2026 **Polarity** : Polarity symbol marking on case
Mounting Position : Any
Weight : 0.02 ounce, 0.4 grams

Maximum Ratings And Electrical Characteristics

Ratings at 25°C ambient temperature unless otherwisespecified.

Single phase half-wave 60Hz,resistive or inductive load,for capacitive load current derate by 20%.

Parameter	SYMBOLS	MDD DB101	MDD DB102	MDD DB103	MDD DB104	MDD DB105	MDD DB106	MDD DB107	UNITS
Marking Code									
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 rectified current at T_C=40°C	$I_{F(AV)}$	1.0							A
Peak forward surge current, 8.3ms single half sine-wave superimposed on rated load (JEDEC Method)	I_{FSM}	30							A
Maximum instantaneous forward voltage drop per leg at 1A	V_F	1.1							V
Maximum DC reverse current T_A=25°C at rated DC blocking voltage T_A=100°C	I_R	10 500							µA µA
Operating temperature range	T_J	-55 to +150							°C
storage temperature range	T_{STG}	-55 to +150							°C

Note: 1.Measured at 1.0 MHz and applied reverse voltage of 4.0 Volts.
2.Unit mounted on P.C. board with 0.51 ” x 0.51 ” (13x13mm) copper pads.

Ratings And Characteristic Curves

Fig. 1 Derating Curve for Output Rectified Current

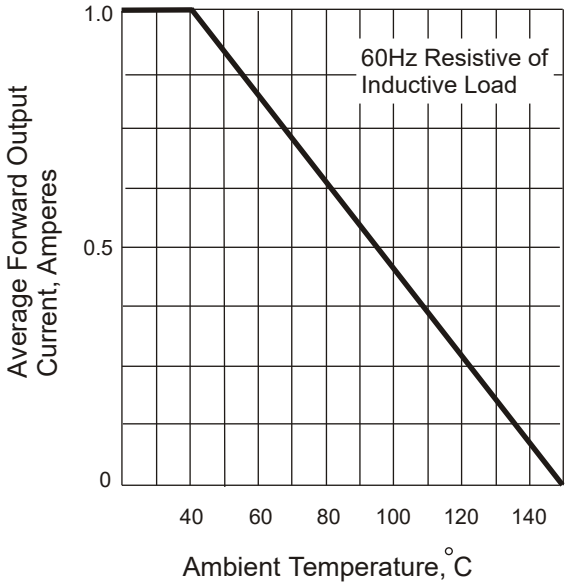


Fig. 2 Maximum Non-repetitive Peak Forward Surge Current

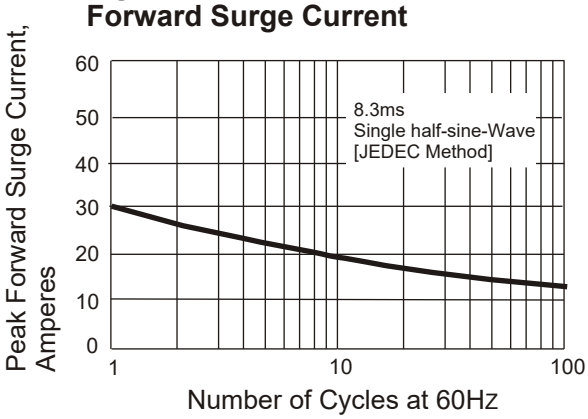


Fig. 3 Typical Instantaneous Forward Characteristics

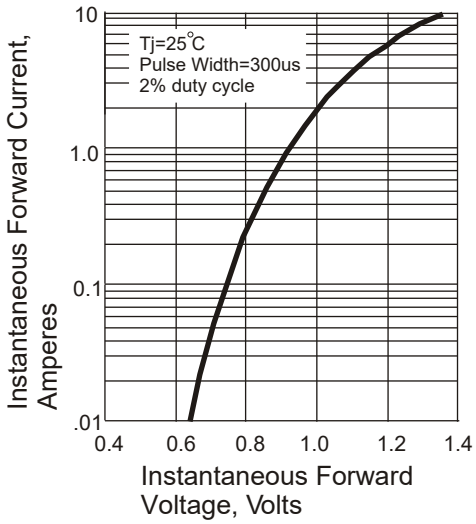


Fig. 4 Typical Revers Characteristics

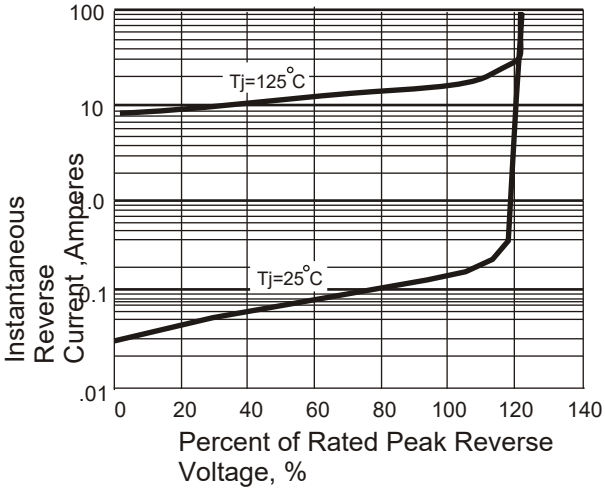
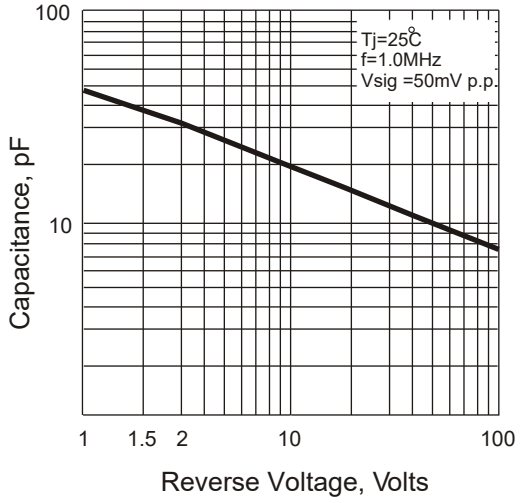


Fig. 5 Typical Junction Capacitance



The curve above is for reference only.

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for Bridge Rectifiers ***category:***

Click to view products by Microdiode Electronics ***manufacturer:***

Other Similar products are found below :

MB252 MB356G MB358G GBJ1504-BP GBU10B-BP GBU15K-BP GBU4A-BP GBU4D-BP DB101-BP DF01 DF10SA-E345 KBPC50-10S RS405GL-BP GBJ1502-BP GBU6M TB102M MB1510 MB86 TL401G MDA920A2 TU602 TU810 MP5010W-BP MP501W-BP MP502-BP KBPC25-02 VBO160-12NO7 VS-110MT120KPBF VS-60MT80KPBF DB105-BP DF1510S VS-40MT160PAPBF GBU4G-BP GSIB15A80-E3/45 DB104-BP D3SB60 TB354 GBJ2504-BP 26MB100A B1S-G VS-40MT160KPBF VUO162-16NO7 ABS10-G GBU6B-BP GBJ1508-BP BR5010-G ABS6-G B125C800G-E4/51 MSB15MH-13 LBS10-13