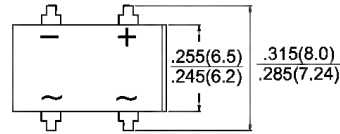


DB101G - DB107G

Single Phase 1.0 AMP. Glass Passivated Bridge Rectifiers

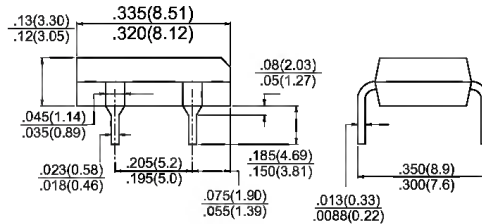


DB



Features

- ✧ UL Recognized File # E-96005
- ✧ Glass passivated junction
- ✧ Ideal for printed circuit board
- ✧ Reliable low cost construction utilizing molded plastic technique
- ✧ High temperature soldering guaranteed:
260 °C / 10 seconds / 0.375" (9.5mm)
lead length at 5 lbs., (2.3 kg) tension
- ✧ Small size, simple installation
Pure tin plated, Lead free. Leads solderable
per MIL-STD-202, Method 208
- ✧ High surge current capability
- ✧ Green compound with suffix "G" on packing
code & prefix "G" on datecode.



Dimensions in inches and (millimeters)

Marking Diagram



DB10XG = Specific Device Code
G = Green Compound
Y = Year
WW = Work Week

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 101G	DB 102G	DB 103G	DB 104G	DB 105G	DB 106G	DB 107G	Units
Maximum Recurrent Peak Reverse Voltage	VRRM	50	100	200	400	600	800	1000	V
Maximum RMS Voltage	VRMS	35	70	140	280	420	560	700	V
Maximum DC Blocking Voltage	VDC	50	100	200	400	600	800	1000	V
Maximum Average Forward Rectified Current @T _A = 40 °C	I(AV)	1.0							A
Peak Forward Surge Current, 8.3 ms Single Half Sine-wave Superimposed on Rated Load (JEDEC method)	IFSM	50							A
Maximum Instantaneous Forward Voltage @ 1.0A	VF	1.1							V
Maximum DC Reverse Current @ T _A =25 °C at Rated DC Blocking Voltage @ T _A =125 °C	IR	10 500							uA uA
Typical Thermal resistance (Note 1)	RθJA RθJC RθJL	40 15 15							°C/W
Operating Temperature Range	T _J	-55 to +150							°C
Storage Temperature Range	T _{STG}	-55 to +150							°C

- Notes:
1. Thermal Resistance from Junction to Ambient and from Junction to Lead Mounted On P.C.B. with 0.2" x 0.2" (5mm x 5mm) Copper Pads.
 2. DBS for Surface Mount Package.

RATINGS AND CHARACTERISTIC CURVES (DB101G THRU DB107G)

