







Features

- UL Recognized File # E-326854
- Glass passivated junction
- Ideal for printed circuit board
- Reliable low cost construction utilizing molded plastic technique
- High temperature soldering guaranteed: 260°C / 10 seconds at 5lbs., (2.3kg) tension
- High surge current capability \diamond
- ♦ Green compound with suffix "G" on packing code & prefix "G" on datecode

Mechanical Data

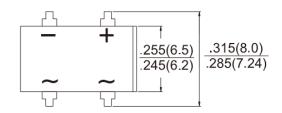
Case: Molded plastic body

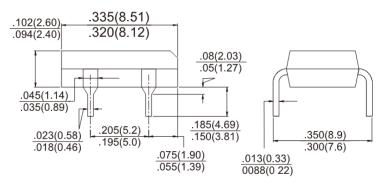
Terminals: Pure tin plated, lead free, solderable per MIL-STD-202, Method 208

Weight: 0.37 grams

DBL101G - DBL107G

Single Phase 1.0AMP. Glass Passivated Bridge Rectifiers **DBL**





<u>Dimensions in inches and (millimeters)</u>

Marking Diagram

DBL10XG GYWW

DBL10XG = Specific Device Code = Green Compound G

Υ = 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, denote current by 20%

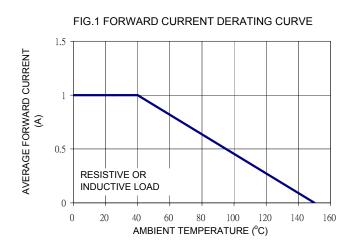
For capacitive load, derate current by 20%									
Type Number	Symbol	DBL 101G	DBL 102G	DBL 103G	DBL 104G	DBL 105G	DBL 106G	DBL 107G	Unit
Maximum Repetitive Peak Reverse Voltage	V_{RRM}	50	100	200	400	600	800	1000	V
Maximum RMS Voltage	V_{RMS}	35	70	140	280	420	560	700	V
Maximum DC Blocking Voltage	V_{DC}	50	100	200	400	600	800	1000	V
Maximum Average Forward Rectified Current @T _A =40℃	I _{F(AV)}	1							Α
Peak Forward Surge Current, 8.3 ms Single Half Sinewave Superimposed on Rated Load (JEDEC method)	I _{FSM}	40					30		А
Maximum Instantaneous Forward Voltage (Note 1) @1.0A	V _F	1.1					V		
	I _R	10 500							uA
Typical Junction Capabitance	Cj	25							pF
Typical Thermal Resistance (Note 2)	$R_{ heta jA} \ R_{ heta jL}$	40 15						°C/W	
Operating Temperature Range	TJ	- 55 to + 150						°С	
Storage Temperature Range	T _{STG}	- 55 to + 150							οС

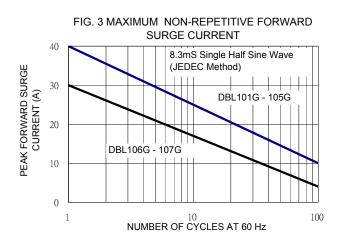
Notes 1: Pulse Test with PW=300 usec, 1% Duty Cycle

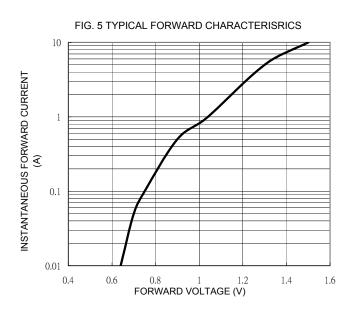
Notes 2: Thermal Resistance from Junction to Ambient and from Junction to Lead Mounted On P.C.B. With 0.2" x 0.2"(5mm x 5mm) Copper Pads.



RATINGS AND CHARACTERISTIC CURVES (DBL101G THRU DBL107G)







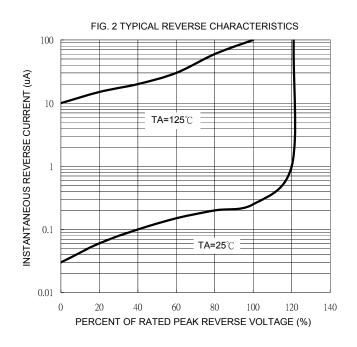


FIG. 4 TYPICAL JUNCTION CAPACITANCE

