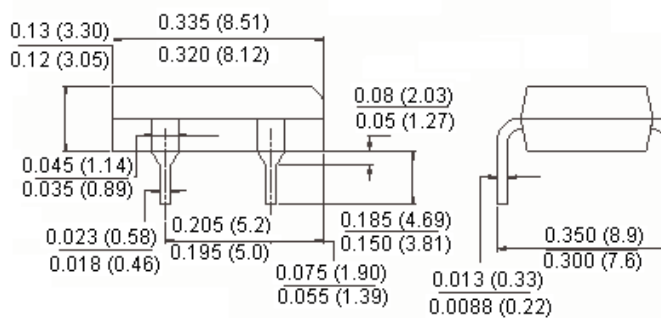
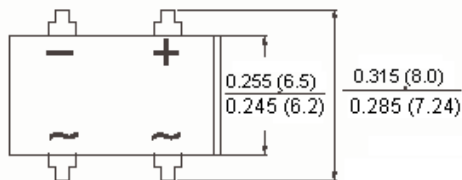




Features:

- Glass passivated junction.
- Ideal for printed circuit board.
- Reliable low cost construction utilizing moulded plastic technique.
- High surge current capability.
- High temperature soldering guaranteed: 260°C/10 seconds at 5lbs., (2.3kg) tension.
- Small size, simple installation.
- Pure tin plated terminal, lead free. leads solderable per MIL-STD-202 Method 208.

DB



Dimensions : Inches (Millimetres)

Maximum Ratings and Electrical Characteristics

Rating at 25°C ambient temperature unless otherwise specified.

Single phase, half wave, 60Hz, resistive or inductive load.

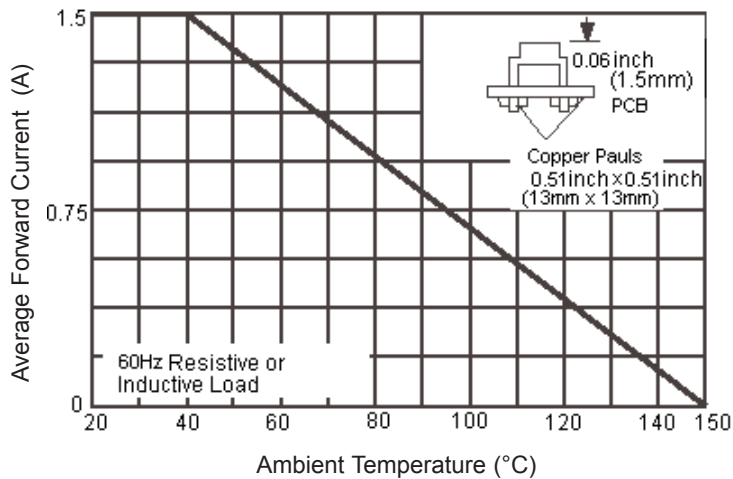
For capacitive load, derate current by 20%.

Type Number	Symbol	DB 151G	DB 152G	DB 153G	DB 154G	DB 155G	DB 156G	DB 157G	Units
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	
Maximum DC Blocking Voltage	V _{DC}	50	100	200	400	600	800	1000	
Maximum Average Forward Rectified Current at T _A = 40°C	I _(AV)	1.5							A
Peak Forward Surge Current, 8.3ms Single Half Sine-wave Superimposed on Rated Load (JEDEC method)	I _{FSM}	50							
Maximum Instantaneous Forward Voltage at 1.5A	V _F	1.1							V
Maximum DC Reverse Current at T _A = 25°C at Rated DC Blocking Voltage at T _A = 125°C	I _R	5 500							μA μA
Typical Thermal Resistance (Note)	R _{θJA} R _{θJL}	40 15							°C/W
Operating Temperature Range	T _J	-55 to +150							°C
Storage Temperature Range	T _{STG}								

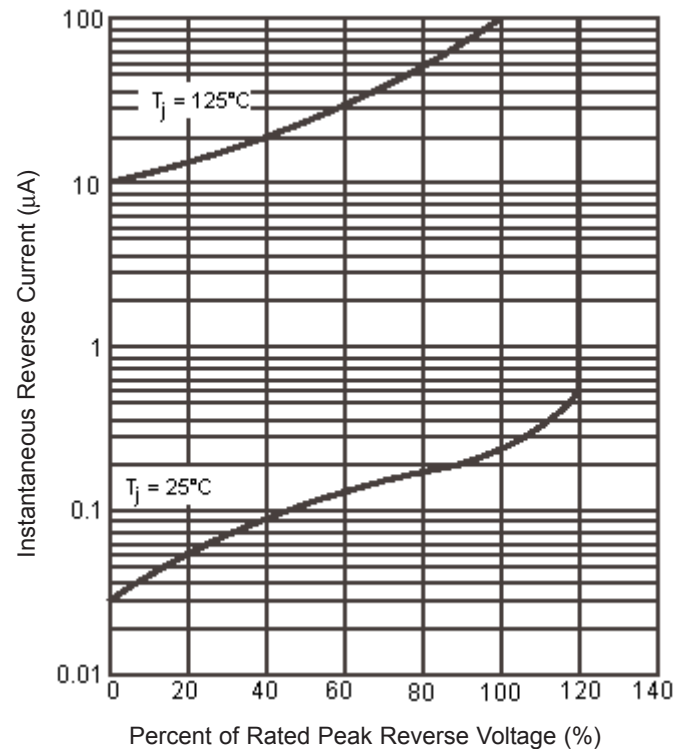
Notes : Thermal Resistance from Junction to Ambient and from Junction to Lead Mounted on PCB with 0.4 x 0.4 inches (10mm x 10mm) Copper Pads.

Ratings and Characteristic Curves (DB 151G thru DB 157G)

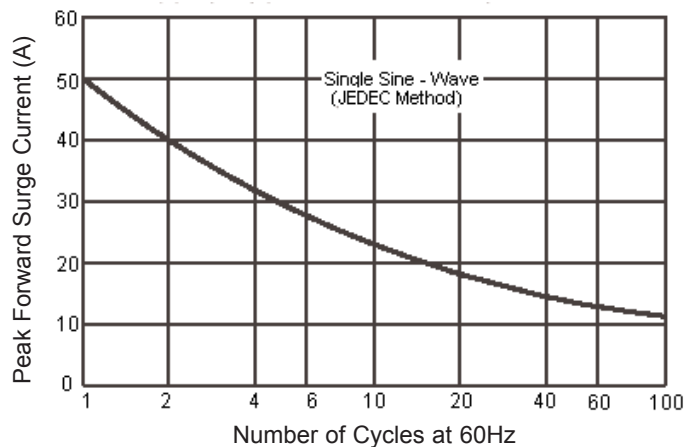
Maximum Derating Curve for Output Rectified Current



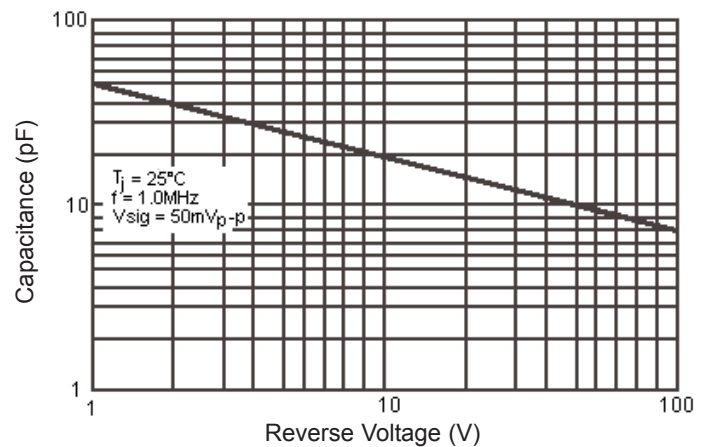
Typical Reverse Characteristics Per Bridge Element



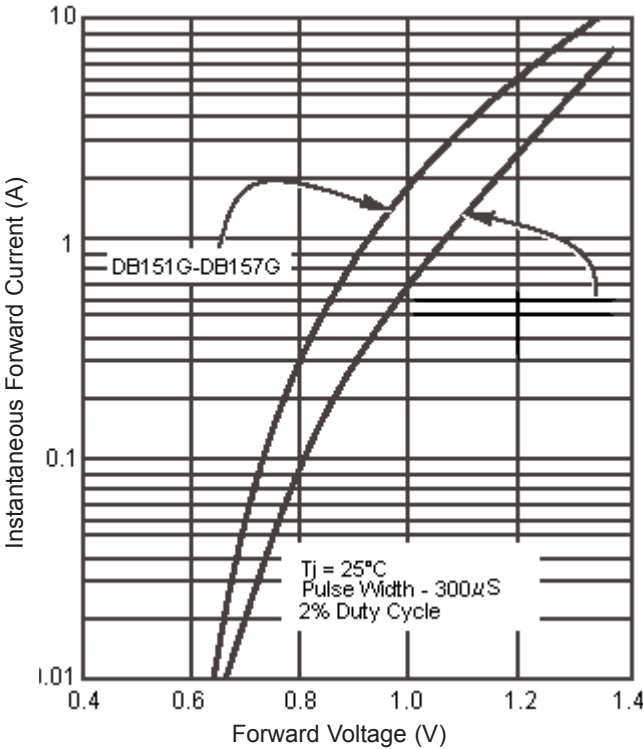
Maximum Non-repetitive Peak Forward Surge Current Per Bridge Element



Typical Junction Capacitance Per Bridge Element



Typical Forward Characteristics
Per Bridge Element



Part Number Table

Description	Part Number
Bridge Rectifier, 1.5A, 50V	DB151G
Bridge Rectifier, 1.5A, 100V	DB152G
Bridge Rectifier, 1.5A, 200V	DB153G
Bridge Rectifier, 1.5A, 400V	DB154G
Bridge Rectifier, 1.5A, 600V	DB155G
Bridge Rectifier, 1.5A, 800V	DB156G
Bridge Rectifier, 1.5A, 1000V	DB157G

Notes:

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