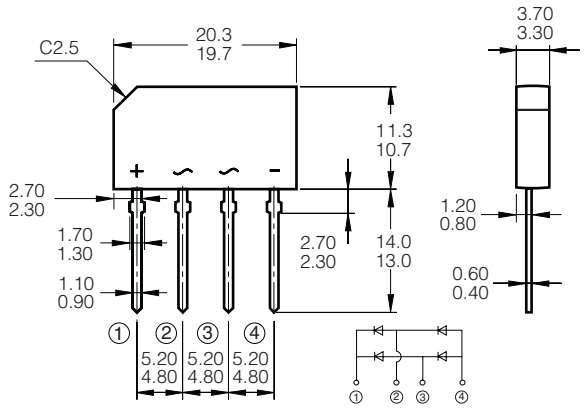
1.5 Amp. Glass Passivated Bridge Rectifiers

Dimensions in mm. **GBL**



Voltage	Current
400 V to 1000 V	1.5 A

- Glass passivated chip junction
- Ideal for printed circuit board
- High case dielectric strength
- Plastic material has Underwriters Laboratory Flammability Classification 94V-0
- Typical IR less than 0.1µA
- High surge current capability
- High temperature soldering guaranteed: 260 °C / 10 seconds / 9.5mm, lead lengths.

MECHANICAL DATA

- Case: Molded plastic body.
- Terminals: Pure tin plated, Lead free, leads solderable per MIL-STD-750, Method 2026.
- Weight: 0.071 ounce, 2.0 grams
- Mounting position: Any

Maximum Ratings and Electrical Characteristics at 25 ºC

		D2SB 40	D2SB 60	D2SB 80	D2SB 100
V_{RRM}	Maximum Recurrent Peak Reverse Voltage (V)	400	600	800	1000
V_{RMS}	Maximum RMS Voltage (V)	280	420	560	700
V_{DC}	Maximum DC Blocking Voltage (V)	400	600	800	1000
$I_{F(AV)}$	Maximum Average Forward Rectified Current @ T_A = 25 °C	1.5 A			
I_{FSM}	Peak Forward Surge Current, 8.3 ms Single Half Sine-wave Superimposed on Rated Load (JEDEC Method)	80 A			
I^2t	Rating for fusing (t<8.3 ms)	27 A^2sec			
T_j	Operating Temperature Range	-55 to +150 °C			
T_{stg}	Storage Temperature Range	-55 to +150 °C			

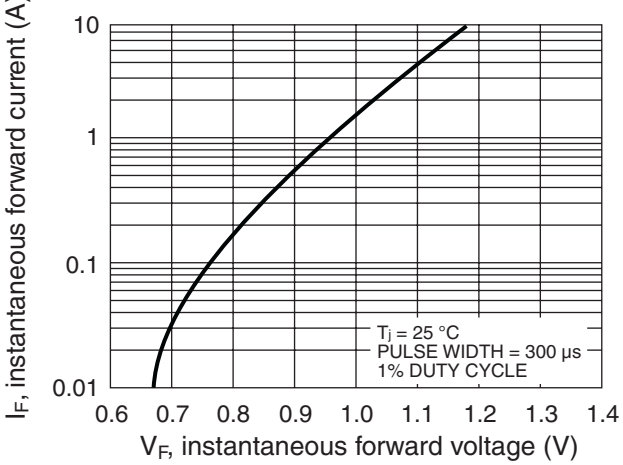
Electrical Characteristics at Tamb = 25 °C

V_F	Maximum Instantaneous Forward Voltage per leg @ = 1.0 A	1.05 V
I_R	Maximum DC Reverse Current @ T_A = 25 °C at Rated DC Blocking Voltage @ T_A =125°C	10 µA 500 µA
$R_{th\ (j-a)}$ $R_{th\ (j-c)}$	Typical Thermal Resistance Per Leg (Note)	32 °C/W 13°C/W

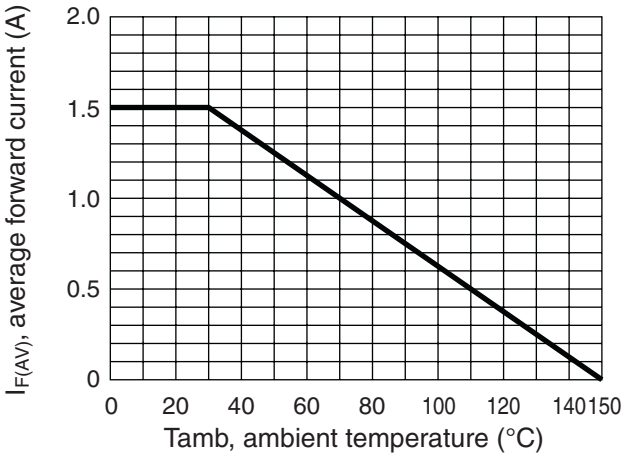
Note: 1. Units Mounted In Free Air No Heat Sink On P.C.B. 12 x 12mm Copper Pads, 9.5mm Lead Length.

Rating And Charasterictic Curves

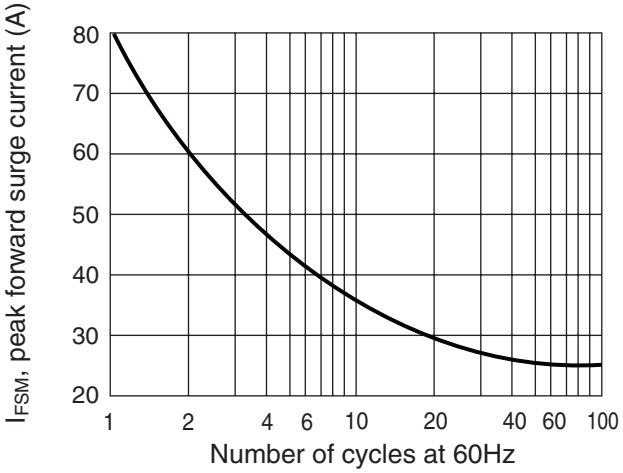
TYPICAL FORWARD CHARACTERISTICS PER BRIDGE ELEMENT



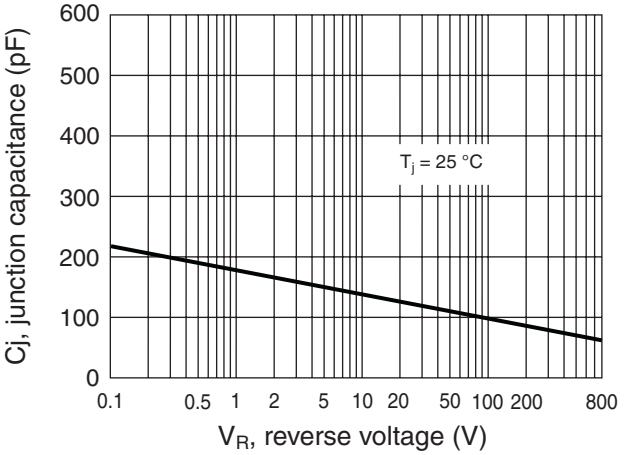
MAXIMUM FORWARD CURRENT DERATING CURVE



MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT PER BRIDGE ELEMENT



TYPICAL JUNCTION CAPACITANCE



TYPICAL REVERSE CHARACTERISTICS PER BRIDGE ELEMENT