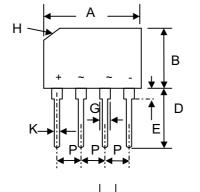
SEMICONDUCTOR

2.0A GLASS PASSIVATED BRIDGE RECTIFIER

Data Sheet 1332 Rev.—

Features

- Glass Passivated Die Construction
- Low Forward Voltage Drop
- High Current Capability
- High Reliability
- High Surge Current Capability
- Ideal for Printed Circuit Boards



GBP									
Dim	Min	Max							
Α	14.25	14.75							
В	10.2	10.6							
C	3.8	4.7							
D	14.25	14.73							
E	2.29	_							
G	1.17	1.42							
Η	2.8 x 45°								
7	1.14	1.52							
K	0.76	0.86							
L	0.3	0.64							
Р	3.56	4.06							
All Dimensions in mm									

Mechanical Data

Case: Molded Plastic

 Terminals: Plated Leads Solderable per MIL-STD-202, Method 208

Polarity: As Marked on BodyWeight: 2.0 grams (approx.)Mounting Position: Any

Marking: Type Number

Maximum Ratings and Electrical Characteristics @TA=25°C unless otherwise specified

Single Phase, half wave, 60Hz, resistive or inductive load. For capacitive load, derate current by 20%.

Characteristic	Symbol	GBP 2005	GBP 201	GBP 202	GBP 204	GBP 206	GBP 208	GBP 210	Unit
Peak Repetitive Reverse Voltage Working Peak Reverse Voltage DC Blocking Voltage	VRRM VRWM VR	50	100	200	400	600	800	1000	V
RMS Reverse Voltage	VR(RMS)	35	70	140	280	420	560	700	V
Average Rectified Output Current @T _A = 50°C	lo	2.0							Α
Non-Repetitive Peak Forward Surge Current 8.3ms Single half sine-wave superimposed on rated load (JEDEC Method)	IFSM	50						А	
Forward Voltage (per bridge) @I _F = 2.0A	VFM	1.1						V	
Peak Reverse Current @T _A = 25°C At Rated DC Blocking Voltage @T _A = 100°C	lR	10 1.0						μA mA	
Operating Temperature Range	Tj	-55 to +125						°C	
Storage Temperature Range	Тѕтс	-55 to +150						°C	

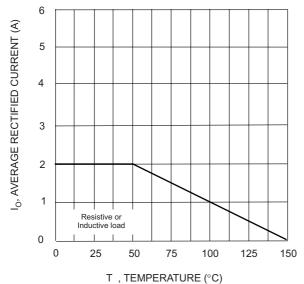
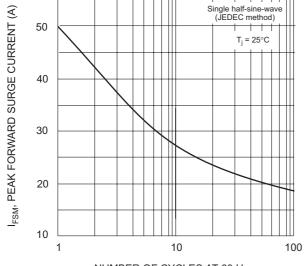


Fig. 1 Forward Current Derating Curve



NUMBER OF CYCLES AT 60 Hz Fig. 3 Maximum Non-Repetitive Surge Current

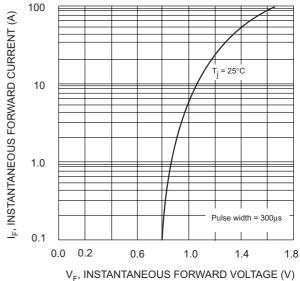
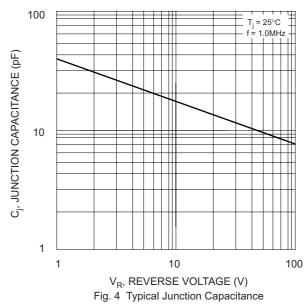


Fig. 2 Typical Fwd Characteristics, per element





TECHNICAL DATA

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