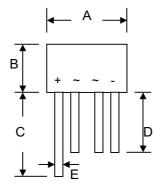
# **SEMICONDUCTOR**

### **1.0A BRIDG RECTIFIER**

### Data Sheet 1290 Rev.A

### **Features**

- Diffused Junction
- Low Forward Voltage Drop
- High Current Capability
- High Reliability
- High Surge Current Capability
- Ideal for Printed Circuit Boards
- UL Recognized File # E223064



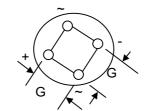
WOB									
Dim	Min	Max	Min	Max					
Α	8.60	9.10	0.339	0.358					
В	5.0	5.50	0.197	0.217					
С	27.9	_	1.098	_					
D	25.4	_	1	_					
Е	0.71	0.81	0.028	0.032					
G	4.60	5.60	0.181	0.220					
	ln i	mm	In inch						

# Case: Molded PlasticTerminals: Plated Lea

**Mechanical Data** 

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

Polarity: As Marked on Body
Weight: 1.1 grams (approx.)
Mounting Position: Any
Marking: Type Number



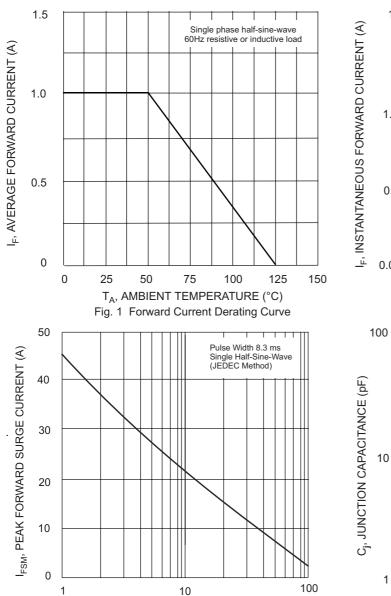
## Maximum Ratings and Electrical Characteristics @TA=25°C unless otherwise specified

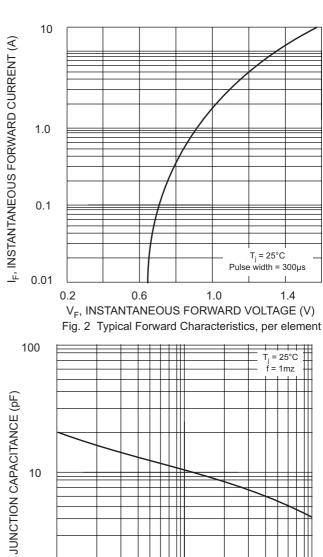
Single Phase, half wave, 60Hz, resistive or inductive load. For capacitive load, derate current by 20%.

Characteristic	Symbol	B40C 1000	B80C 1000	B125C 1000	B250C 1000	B380C 1000	B500C 1000	Unit
Peak Repetitive Reverse Voltage Working Peak Reverse Voltage DC Blocking Voltage	VRRM VRWM VR	100	200	300	600	900	1200	٧
Input Voltage Recommended	VR(RMS)	40	80	125	250	380	500	V
Average Rectified Output Current (Note 1) @T <sub>A</sub> = 50°C	lo	1.0						Α
Non-Repetitive Peak Forward Surge Current 8.3ms Single half sine-wave superimposed on rated load (JEDEC Method)	Ігѕм	45						Α
Forward Voltage (per element) @I <sub>F</sub> = 1.0A	VFM	1.0						V
	lгм	10 500						μΑ
Operating Temperature Range	Tj	-55 to +125						°C
Storage Temperature Range	Тѕтс	-55 to +150						°C

Note: 1. Leads maintained at ambient temperature at a distance of 9.5mm from the case.

## Data Sheet 1290 Rev.A





 $V_R$ , REVERSE VOLTAGE (V) Fig. 4 Typical Junction Capacitance

100

1



#### **TECHNICAL DATA**

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