SEMICONDUCTOR

2.0A BRIDGE RECTIFIER

Data Sheet 1308, 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

Mechanical Data

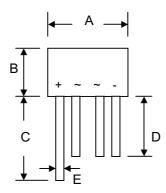
Case: Molded Plastic

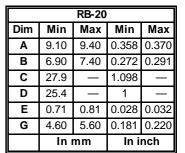
Terminals: Plated Leads Solderable per

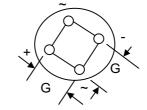
MIL-STD-202, Method 208 Polarity: As Marked on Body

• Weight: 1.3 grams (approx.)

Mounting Position: AnyMarking: Type Number







Maximum Da	tings and Floor	trical Characteristic	CS @T.=25°C unless otherwise specified

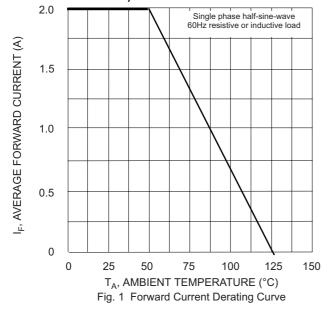
Single Phase, half wave, 60Hz, resistive or inductive load. For capacitive load, derate current by 20%.

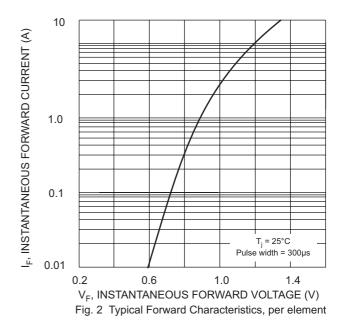
Characteristic	Symbol	2W005	2W01	2W02	2W04	2W06	2W08	2W10	Unit
Peak Repetitive Reverse Voltage Working Peak Reverse Voltage DC Blocking Voltage	VRRM VRWM VR	50	100	200	400	600	800	1000	V
RMS Reverse Voltage	VR(RMS)	35	70	140	280	420	560	700	V
Average Rectified Output Current (Note 1) @T _A = 50°C	lo	2.0							А
Non-Repetitive Peak Forward Surge Current 8.3ms Single half sine-wave superimposed on rated load (JEDEC Method)	IFSM	50							А
Forward Voltage (per element) @I _F = 2.0A	VFM	1.0							V
Peak Reverse Current $@T_A = 25^{\circ}C$ At Rated DC Blocking Voltage $@T_A = 100^{\circ}C$		10 500							μA
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.

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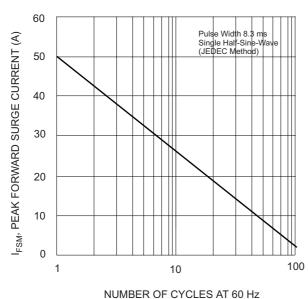
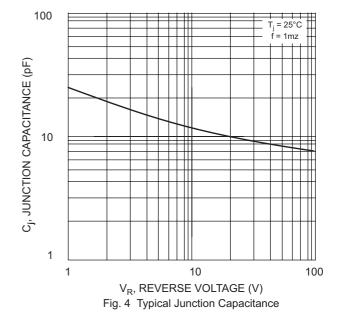
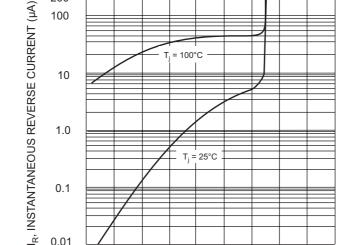


Fig. 3 Max Non-Repetitive Surge Current

200

0.01





120

PERCENT OF RATED PEAK REVERSE VOLTAGE (%) Fig. 5 Typical Reverse Characteristics

160

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