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

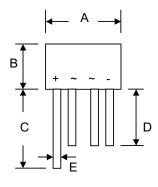
Case: Molded Plastic

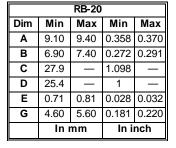
Terminals: Plated Leads Solderable per

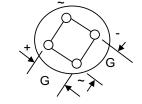
MIL-STD-202, Method 208 Polarity: As Marked on Body

Weight: 1.3 grams (approx.)

Mounting Position: AnyMarking: Type Number







Maximum 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	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							Α
Non-Repetitive Peak Forward Surge Current 8.3ms Single half sine-wave superimposed on rated load (JEDEC Method)	IFSM	50					Α		
Forward Voltage (per element) @I _F = 2.0A	VFM	1.0							V
Peak Reverse Current @T _A = 25°C At Rated DC Blocking Voltage @T _A = 100°C	IDM	10 500							μA
Operating Temperature Range	Tj	-55 to +125							°C
Storage Temperature Range	Тѕтс	-55 to +150							°C

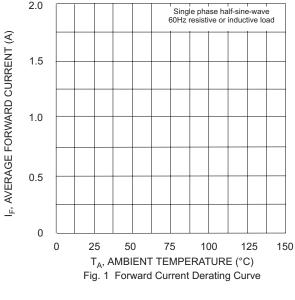
Note: 1. Leads maintained at ambient temperature at a distance of 9.5mm from the case.

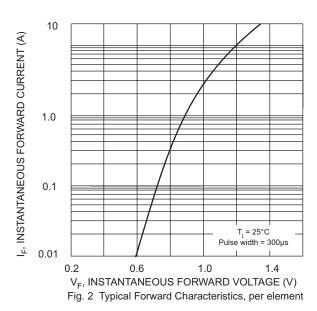
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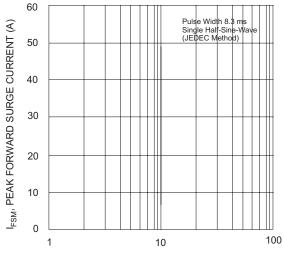
SENSITRON SEMICONDUCTOR

2W005 – 2W10 2.0A BRIDGE RECTIFIER

Data Sheet 1308, Rev.A

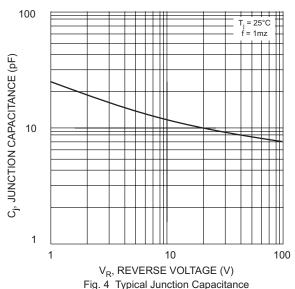


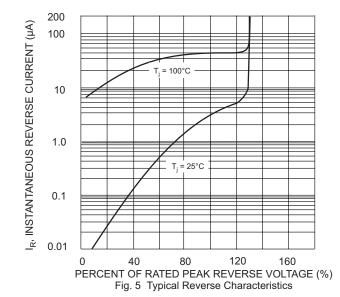




NUMBER OF CYCLES AT 60 Hz

Fig. 3 Max Non-Repetitive Surge Current





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