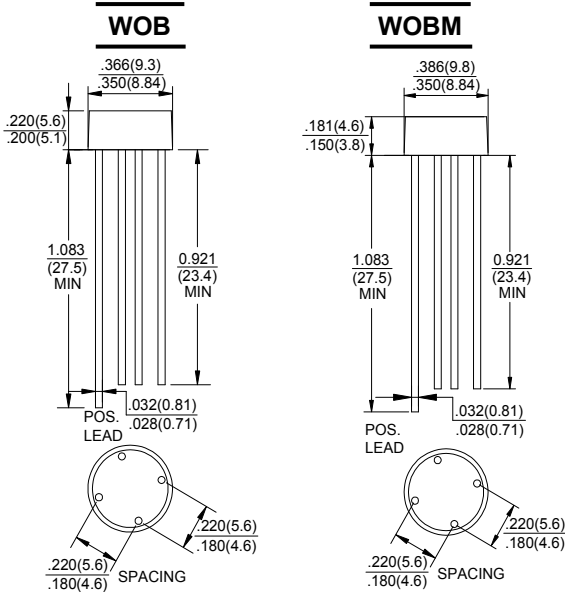


2WO/2WOM SERIES

SILICON BRIDGE RECTIFIERS

Reverse Voltage - 50 to 1000 Volts Forward Current - 2.0 Amperes



Dimensions in inches and (millimeters)

FEATURES

- ◆ Surge overload rating -50 amperes peak
- ◆ Ideal for printed circuit board
- ◆ Reliable low cost construction utilizing molded plastic technique results in expensive product

MECHANICAL DATA

Case: Molded plastic body

Terminals: Plated leads solderable per MIL-STD-750, Method 2026

Polarity: Polarity symbols marked on case

Mounting Position: Any

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Rating at 25 °C ambient temperature unless otherwise specified.

Single phase, half wave ,60Hz, resistive or inductive load.

For capacitive load, derate current by 20%

CHARACTERISTICS	SYMBOL	2W005	2W01	2W02	2W04	2W06	2W08	2W10	UNIT
		2W005M	2W01M	2W02M	2W04M	2W06M	2W08M	2W10M	
Maximum Recurrent Peak Reverse Voltage	V_{RRM}	50	100	200	400	600	800	1000	V
Maximum RMS Voltage	V_{RMS}	35	70	140	280	420	560	700	V
Maximum DC Blocking Voltage	V_{DC}	50	100	200	400	600	800	1000	V
Maximum Average Forward Rectified Current 0.375" (9.5mm) Lead Lengths @T _A =25 °C	$I_{(AV)}$	2.0							A
Peak Forward Surge Current , 8.3ms Single Half Sine-Wave Super Imposed on Rated Load (JEDEC Method)	I_{FSM}	50							A
I ² t Rating for Fusing (t<8.3ms)	I^2t	10.375							A ² s
Maximum Forward Voltage Drop Per Element at 2.0A Peak	V_F	1.1							V
Maximum DC Reverse Current at Rated T _J =25°C	I_R	10.0							μA
DC Blocking Voltage T _J =100°C		1.0							mA
Typical Junction Capacitance Per Element (Note1)	C_J	30							pF
Operating Temperature Range	T_J	-55 to +150							°C
Storage Temperature Range	T_{STG}	-55 to +150							°C

Note:1.Measured at 1.0MHz and applied reverse voltage of 4.0V DC.

2.The typical data above is for reference only.

RATINGS AND CHARACTERISTIC CURVES 2W0/2W0M SERIES

FIG.1-DERATING CURVE FOR
OUTPUT RECTIFIED CURRENT

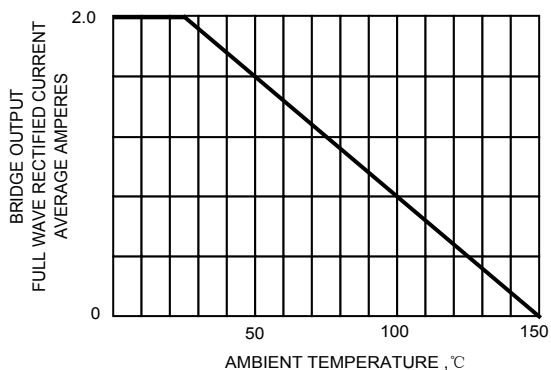


FIG.2-MAXIMUM NON-REPETITIVE PEAK
FORWARD SURGE CURRENT

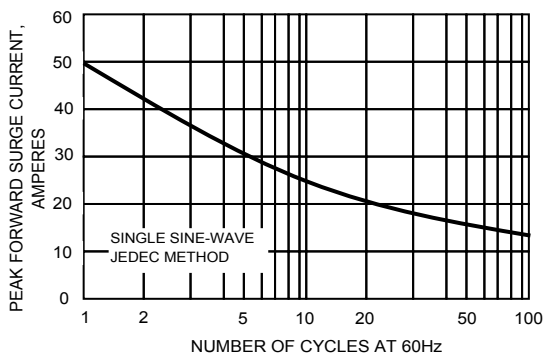


FIG.3-TYPICAL REVERSE CHARACTERISTICS

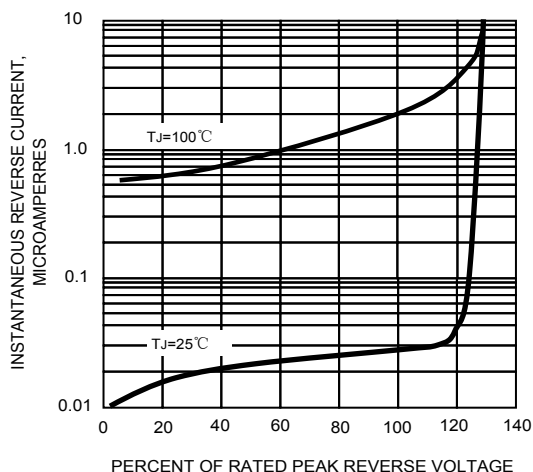


FIG.3-TYPICAL FORWARD
CHARACTERISTICS

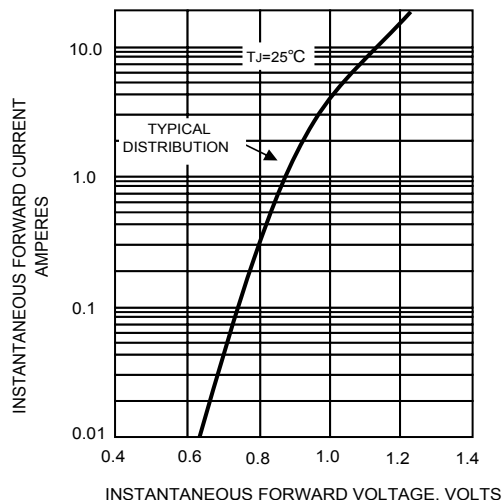
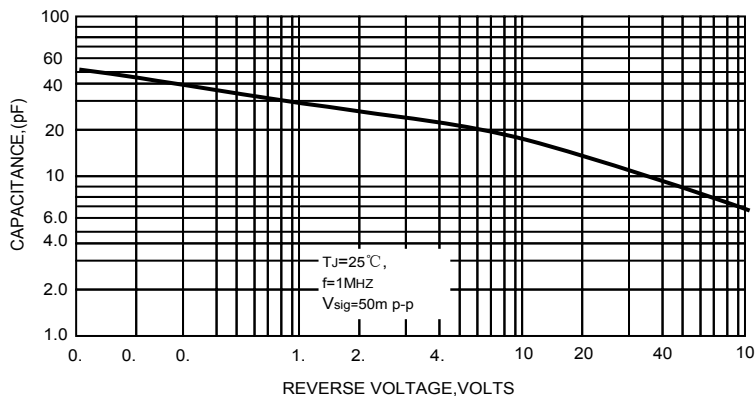


FIG.5-TYPICAL JUNCTION CAPACITANCE PER BRIDGE ELEMENT



The cruve graph is for reference only, can't be the basis for judgment