

## SILICON BRIDGE RECTIFIER

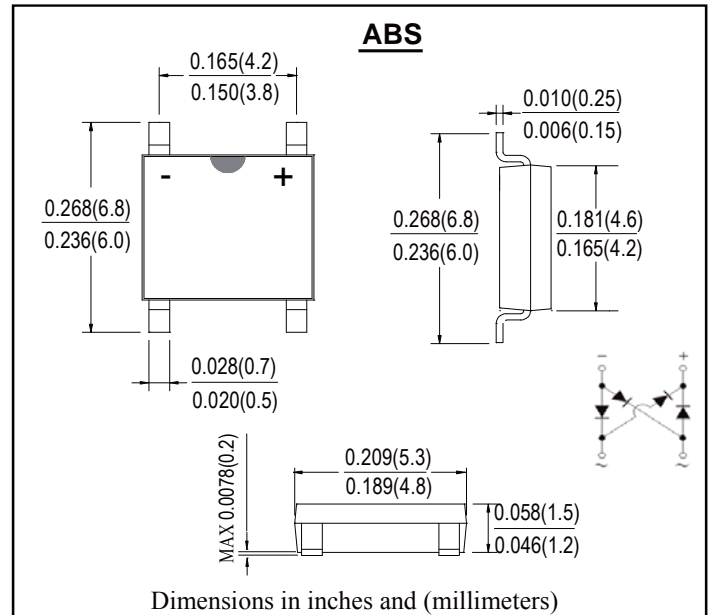
REVERSE VOLTAGE : 200 --- 1000 V CURRENT: 2.0A

### FEATURES

- Glass passivated die construction
- Low forward voltage drop
- High current capability
- High surge current capability Designed for surface mount application Plastic material-UL flammability 94V-0

### MECHANICAL DATA

- Case: SOPA-4, molded plastic ABS
- Terminals: plated leads solderable per MIL-STD-202, Method 208
- Polarity: as marked on case Mounting
- position: Any
- Marking: type number



## 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%.

TYPE NUMBER	SYMBOL	ABS22	ABS24	ABS26	ABS28	ABS210	UNITS
Peak Repetitive Reverse Voltage Working Peak Reverse Voltage DC Blocking Voltage	$V_{RRM}$	200	400	600	800	1000	V
	$V_{RWM}$						
	$V_{DC}$						
RMS Reverse Voltage	$V_{RMS}$	140	280	420	560	700	V
Average Rectified Output Current @ $f_c = 100^\circ C$	$I_F(AV)$	2.0					A
Non-Repetitive Peak Forward Surge Current 8.3ms Single half sine-wave superimposed on rated load (JEDEC Method)	$I_{FSM}$	60					A
Rating for fusing ( $t < 8.3ms$ )	$I^2 t$	14.94					$A^2 s$
Forward Voltage per element @ $I_F = 1.0A$ @ $I_F = 2.0A$	$V_{FM}$	0.95					V
		1.0					
Peak Reverse Current @ $f_A = 25^\circ C$ At Rated DC Blocking Voltage @ $f_A = 125^\circ C$	$I_R$	5.0					$\mu A$
		200					
Typical Thermal Resistance per leg	$R_{\theta JA}$	62.5					$^\circ C/W$
	$R_{\theta JL}$	25					
Operating and Storage Temperature Range	$T_J, T_{STG}$	-55to+150					$^\circ C$

# RATINGS AND CHARACTERISTIC CURVES

FIG.1 FORWARD CURRENT DERATING CURVE

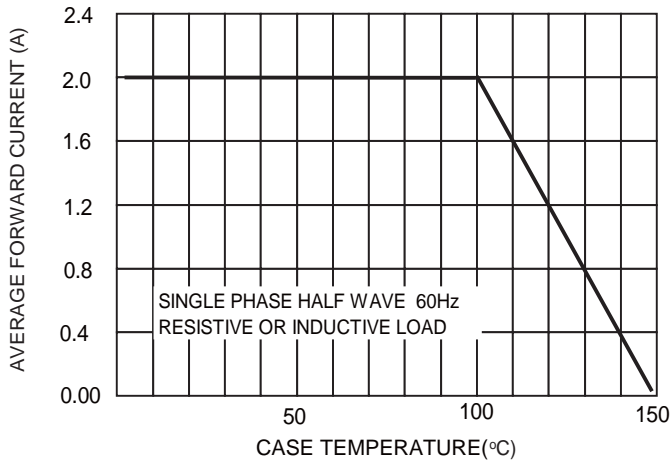


FIG.2 TYPICAL FORWARD CHARACTERISTICS

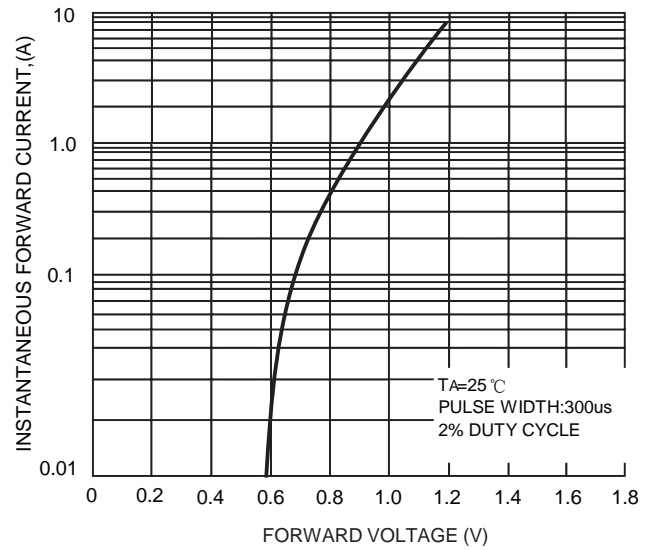


FIG.3 MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT

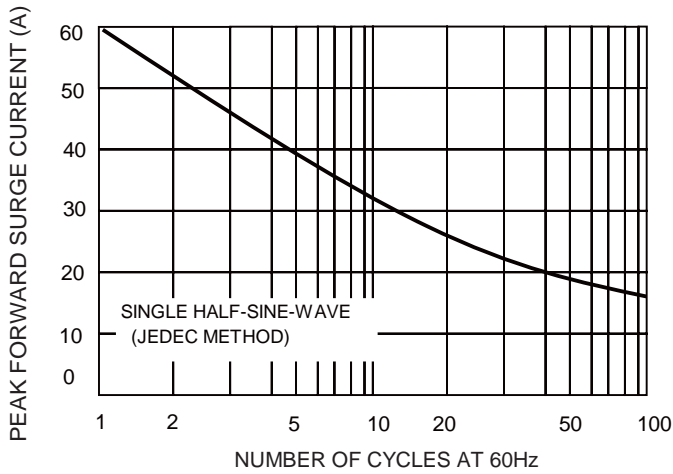
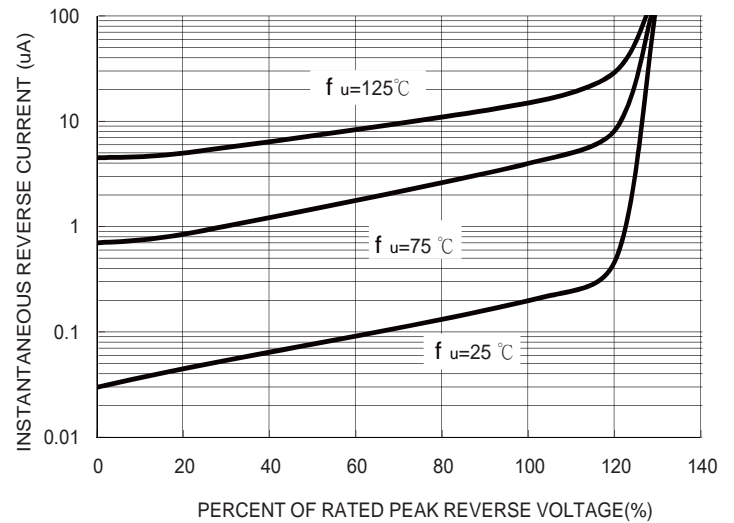


FIG. 4 TYPICAL REVERSE CHARACTERISTICS



ABS PAD LAYOUT

