ABS SILICON BRIDGE RECTIFIERV

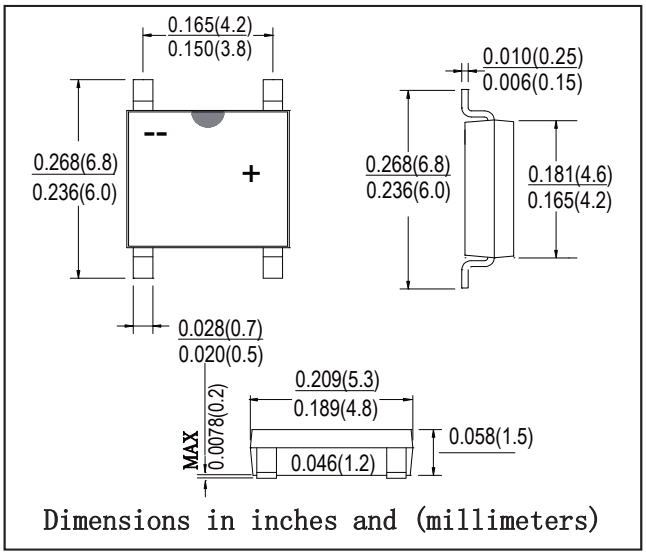
REVERSEVOLTAGE:200 --- 1000V CURRENT: 2.0A

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



Dimensions in inches and (millimeters)

Maximum Ratings and Electrical Characteristics

Rating at 25℃ 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} V_{RWM} V_{DC}	200	400	600	800	1000	V
RMS Reverse Voltage	V_{RMS}	140	280	420	560	700	V
Average Rectified Output Current @f_C =100 ℃	IF(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^2t	14.94					A^2s
Forward Voltage per element @IF=1.0A @IF=2.0A	V_{FM}	0.95 1.0					V
Peak Reverse Current @f_A =25℃ At Rated DC Blocking Voltage @f_A =125 ℃	I_R	5.0 200					uA
Typical Thermal Resistance per leg	$R_{\_JA}$ $R_{\_JL}$	62.5 25					℃/W
Operating and Storage Temperature Range	T_J,T_{STG}	-55to+150					℃

RATINGS AND CHARACTERISTIC CURVES

FIG.1 FORWARD CURRENT DERATING CURVE

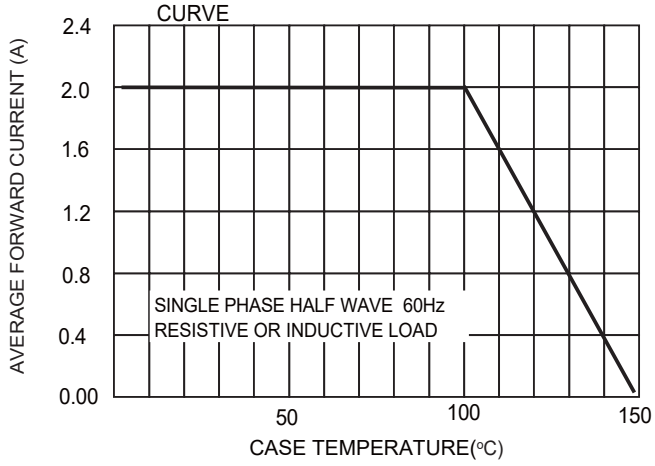


FIG.2 YPICAL FORWARD CHARACTERISTICS

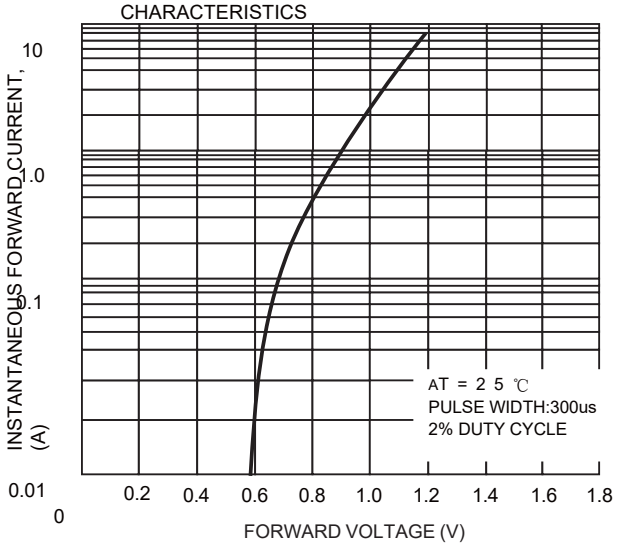


FIG.3 MAXIMUM NON-FORWARD REPETITIVE SURGE CURRENT

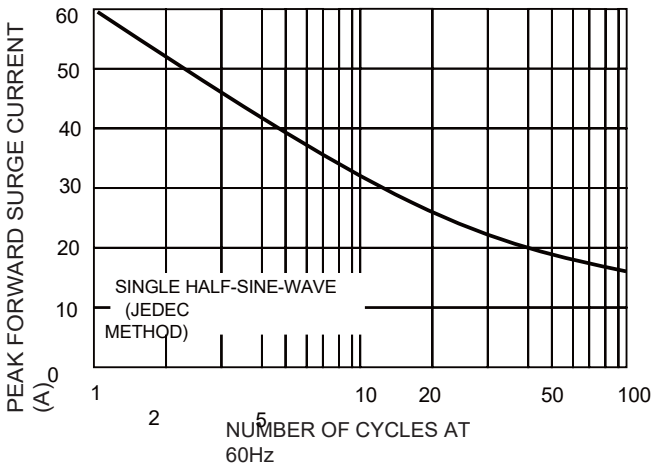
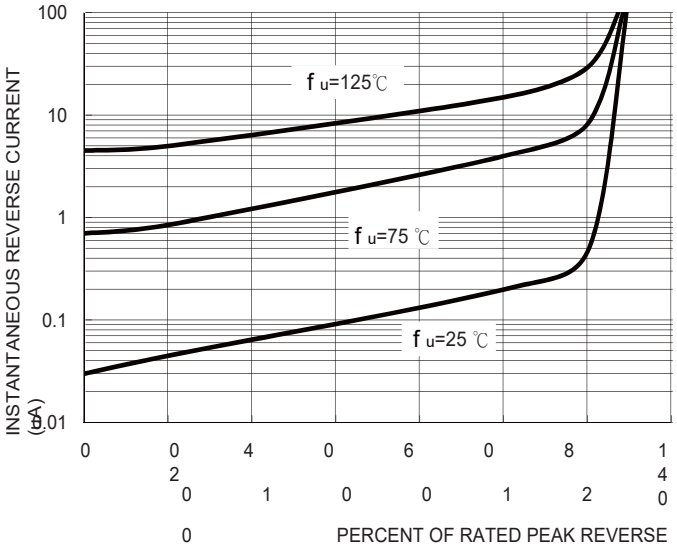


FIG. 4 TYPICAL REVERSE



ABS PAD LAYOUT