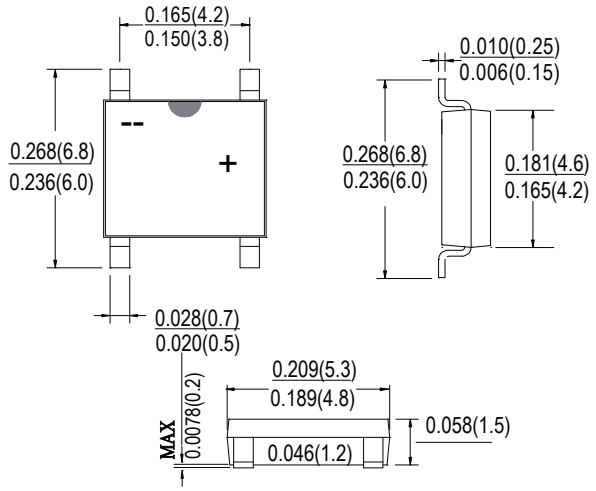
ABS SILICON BRIDGE RECTIFIERV

FEATURES

- The plastic package carries Underwrites Laboratory Flammability Classification 94V-0
- Construction utilizes void-free molded plastic technique
- High reliability
- High temperature soldering guaranteed:260 ℃/10 seconds at terminals
- Component in accordance to RoHs 2015/863 and WEEE 2012/19/EU

MECHANICAL DATA

- Case style: ABS molded plastic
- Mounting position: Any



Dimensions in inches and (millimeters)

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Ratings at 25℃ ambient temperature unless otherwise specified.

Single phase,half wave,60 Hz,resistive or inductive load. For capacitive load,derate 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	$R_{\theta JA}$ $R_{\theta JL}$	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

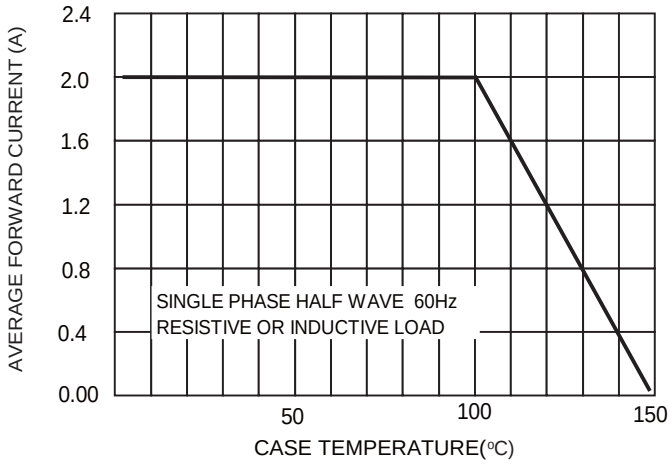


FIG.2 YPICAL FORWARD CHARACTERISTICS

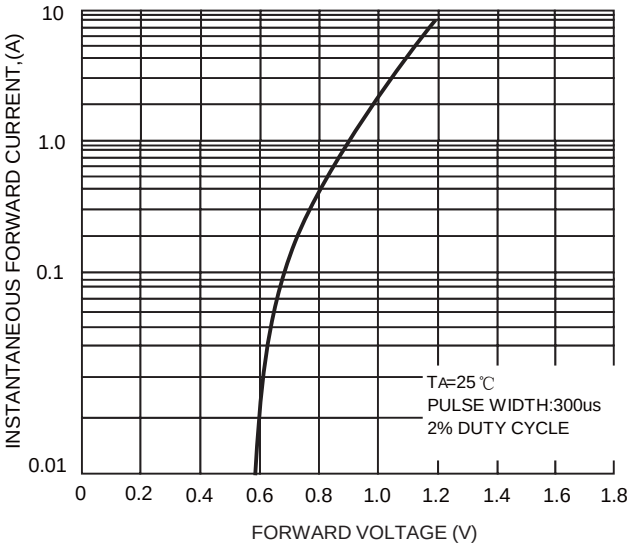


FIG.3 MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT

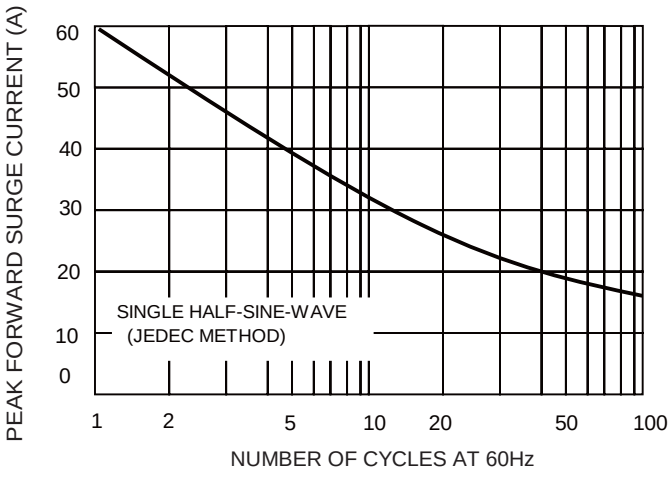
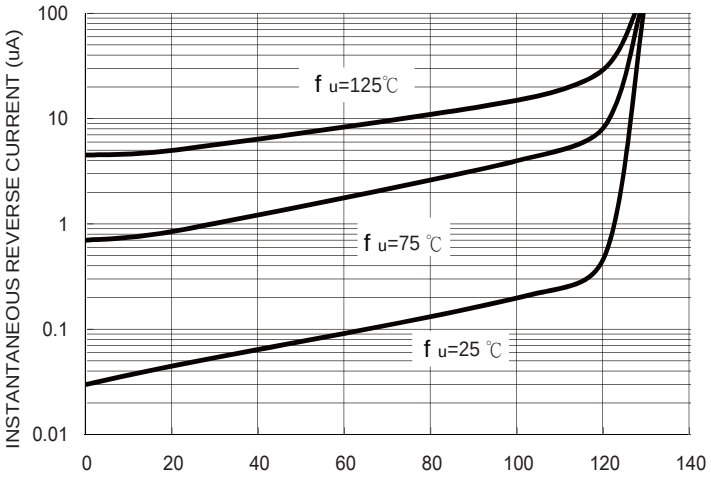


FIG. 4 TYPICAL REVERSE CHARACTERISTICS



ABS PAD LAYOUT