

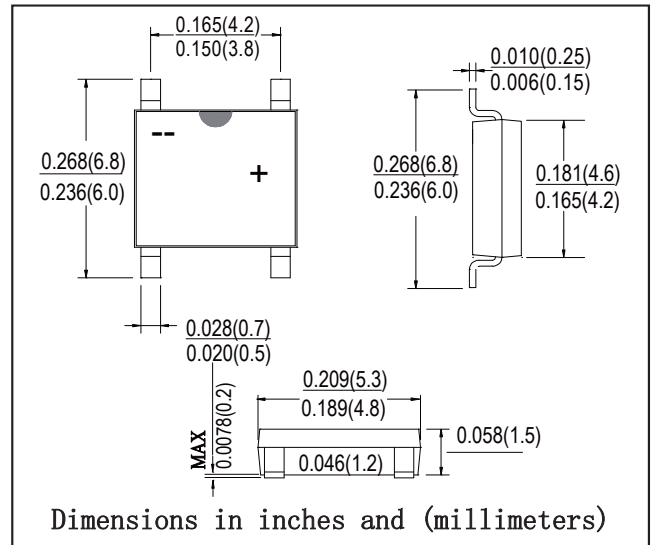
ABS SILICON BRIDGE RECTIFIER

FEATURES

- The plastic package carries Underwriters Laboratory Flammability Classification 94V-0
- Construction utilizes void-free molded plastic technique
- High reliability
- High temperature soldering guaranteed: 260 °C/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



MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

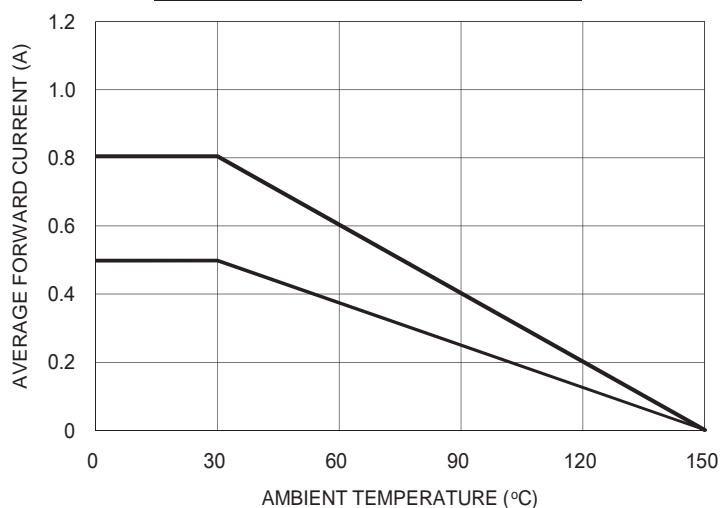
Ratings at 25°C ambient temperature unless otherwise specified.

Single phase, half wave, 60 Hz, resistive or inductive load. For capacitive load, derate by 20%.

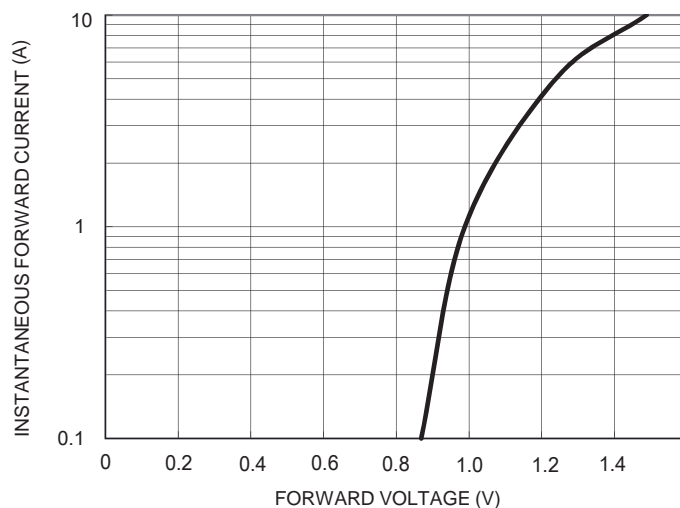
TYPE NUMBER	SYMBOL	ABS2	ABS4	ABS6	ABS8	ABS10	UNITS
Peak Repetitive Reverse Voltage Working Peak Reverse Voltage DC Blocking Voltage	V _{RRM}	200	400	600	800	1000	V
	V _{RWM}						
	V _{DC}						
RMS Reverse Voltage	V _{RMS}	140	280	420	560	700	V
Average Rectified Output Current T _A °C =30 T _A °C =30	I _O	0.5 0.8					A
Non-Repetitive Peak Forward Surge Current 8.3ms Single half sine-wave superimposed on rated load (JEDEC Method)	I _{FSM}	30					A
Forward Voltage per element @IF=0.4A	V _{FM}	0.95					V
Peak Reverse Current @T _A =25 °C At Rated DC Blocking Voltage @T _A =125 °C	I _R	5.0 500					uA
Typical Thermal Resistance per leg	R _{θJA}	62.5					°C/W
	R _{θJL}	25					
Operating and Storage Temperature Range	T _J ,T _{STG}	-55to+150					°C

RATINGS AND CHARACTERISTIC CURVES

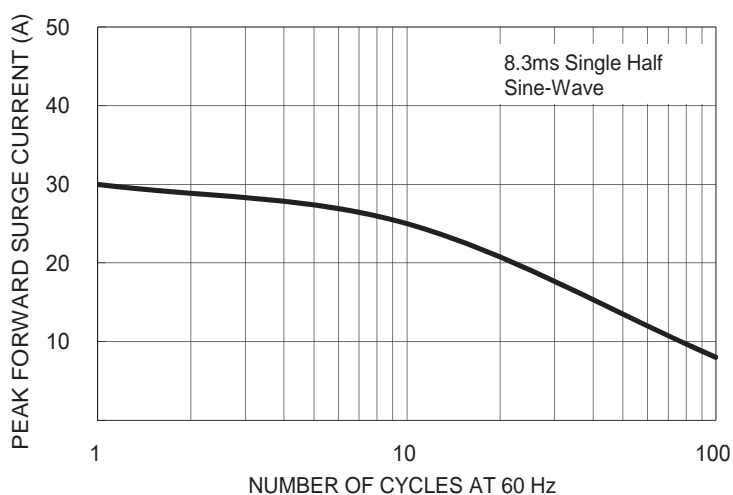
**FIG.1 MAXIMUM FORWARD
CURRENT DERATING CURVE**



**FIG. 2 TYPICAL FORWARD
CHARACTERISTIC**



**FIG. 3 MAXIMUM NON-REPETITIVE
FORWARD SURGE CURRENT**



**FIG. 4 TYPICAL REVERSE
CHARACTERISTICS**

