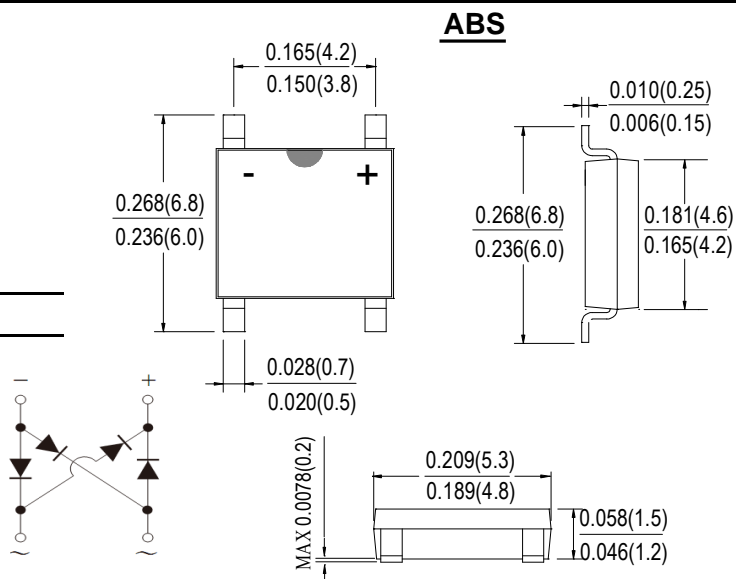


### Features

- 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	EABS21	EABS22	EABS24	EABS26	UNITS
Peak Repetitive Reverse Voltage Working Peak Reverse Voltage DC Blocking Voltage	$V_{RRM}$	100	200	400	600	V
	$V_{RWM}$					
	$V_{DC}$					
RMS Reverse Voltage	$V_{RMS}$	70	140	280	420	V
Average Rectified Output Current      @T <sub>c</sub> =100℃	IF(AV)	2.0				A
Non-Repetitive Peak Forward Surge Current 8.3ms Single half sine-wave superimposed on rated load (JEDEC Method)	IFSM	60				A
Rating for fusing (t<8.3ms)	I <sup>2</sup> t	14.94				A <sup>2</sup> s
Forward Voltage per element    @IF=2.0A	VFM	0.95		1.25	1.7	V
Maximum Reverse Recovery Time (Note 1)	Trr	35				ns
Peak Reverse Current              @TA =25℃ At Rated DC Blocking Voltage    @TA =125℃	IR	5.0 200				uA
Typical Thermal Resistance per leg	RθJA	62.5				℃/W
	RθJL	25				
Operating and Storage Temperature Range	TJ,TSTG	-55to+150				℃

Note: 1.Reverse Recovery Test Conditions: $I_F = 0.5\text{A}$ ,  $I_R = 1.0\text{A}$ ,  $IRR = 0.25\text{A}$ .

FIG.1 FORWARD CURRENT DERATING CURVE

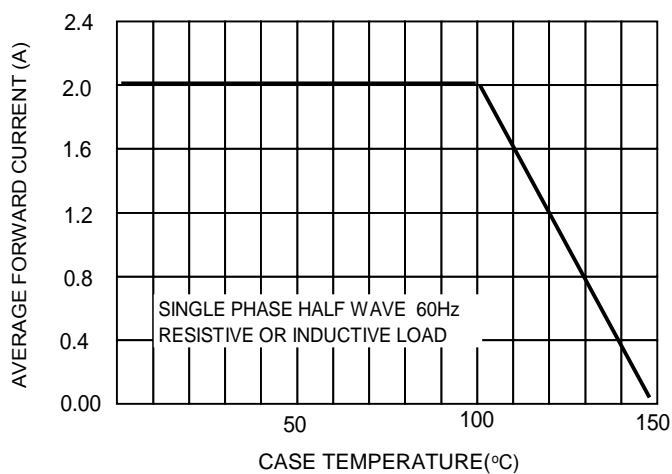


FIG.2 TYPICAL FORWARD CHARACTERISTICS

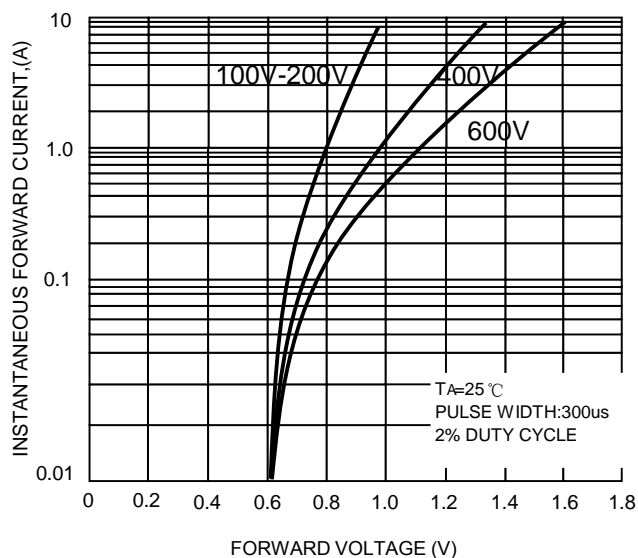


FIG.3 MAXIMUM NON-REPETITIVE

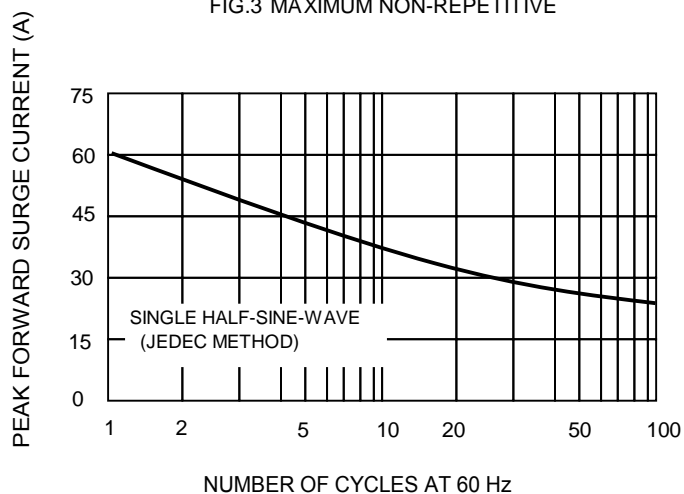
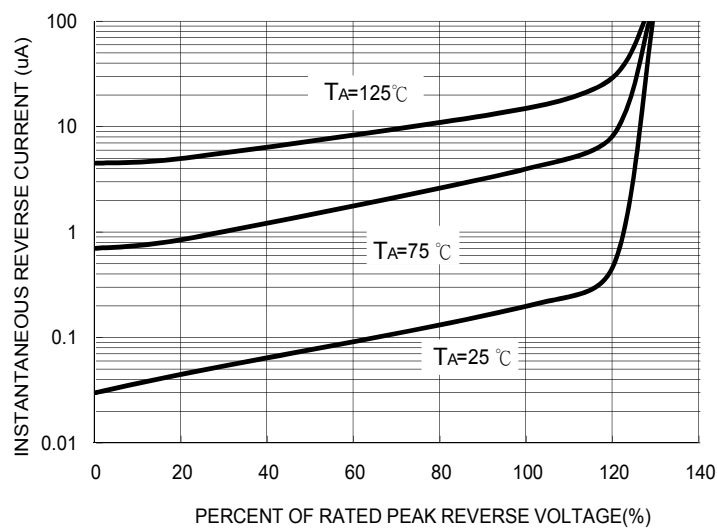
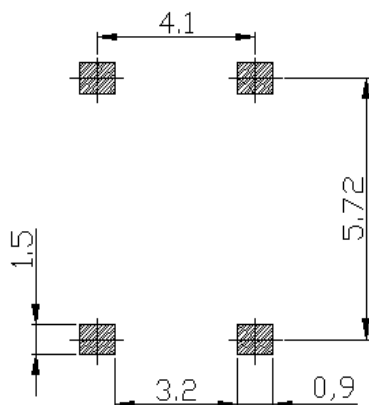


FIG. 4 TYPICAL REVERSE CHARACTERISTICS



## ABS PAD LAYOUT



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