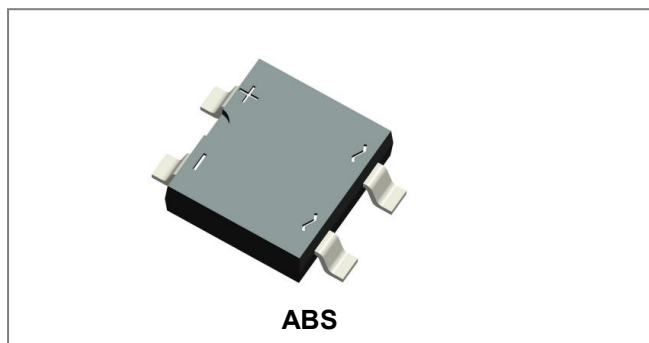


## EABS21 THRU EABS26

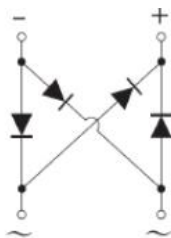
### SINGLE PHASE 2AMP SURFACE MOUNT GLASS PASSIVATED BRIDGE RECTIFIER



#### 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
- This is a Pb – Free Device
- All SMC parts are traceable to the wafer lot
- Additional testing can be offered upon request

#### Circuit Diagram



#### 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
- Weight: 0.101 grams(approx)
- 

#### Maximum Ratings and Electrical Characteristics @T<sub>A</sub>=25°C unless otherwise specified

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

Type Number	Symbol	EABS21	EABS22	EABS24	EABS26	Units
Peak Repetitive Reverse Voltage Working Peak Reverse Voltage DC Blocking Voltage	$V_{RRM}$ $V_{RWM}$ $V_{DC}$	100	200	400	600	V
RMS Reverse Voltage	$V_{RMS}$	70	140	280	420	V
Average Rectified Output Current @T <sub>C</sub> =100°C	$I_{(AV)}$	2.0				V
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 <sup>2</sup> s

**Electrical Characteristics@T<sub>A</sub>=25°C unless otherwise specified**

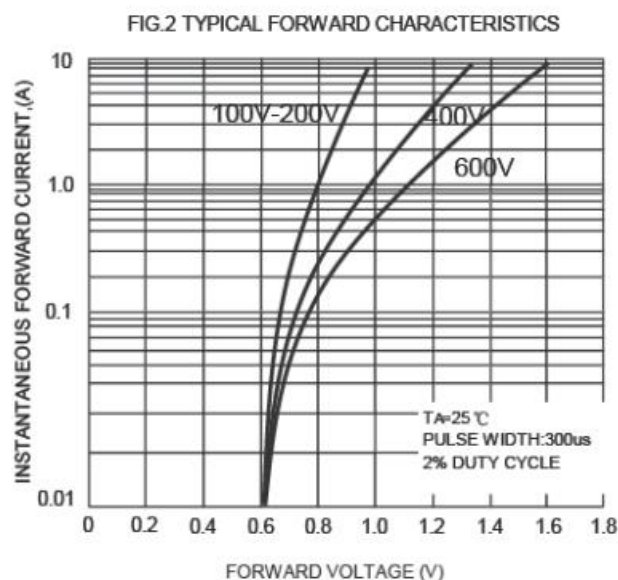
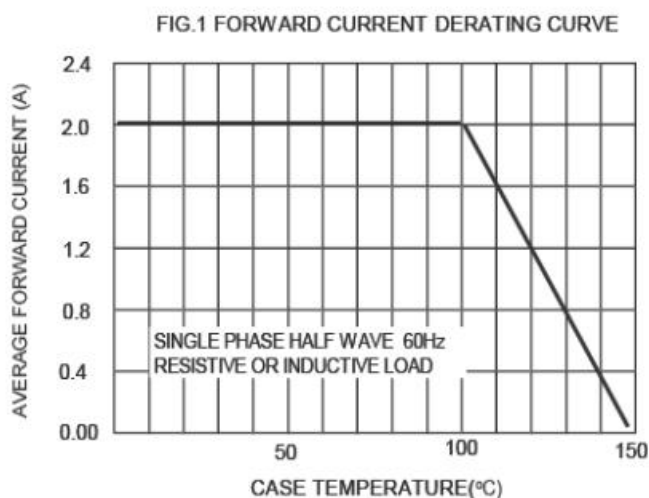
Type Number	Symbol	EABS21	EABS22	EABS24	EABS26	Units
Maximum Forward Voltage (per element) @I <sub>F</sub> =2A	V <sub>F</sub>	0.95		1.25	1.70	V
Maximum Peak Reverse Current @T <sub>A</sub> = 25°C At Rated DC Blocking Voltage @T <sub>A</sub> = 125°C	I <sub>R</sub>	5.0 500				μA
Maximum Reverse Recovery Time (Note 1)	T <sub>rr</sub>	35				ns

\* Pulse width < 300 μs, duty cycle < 2%

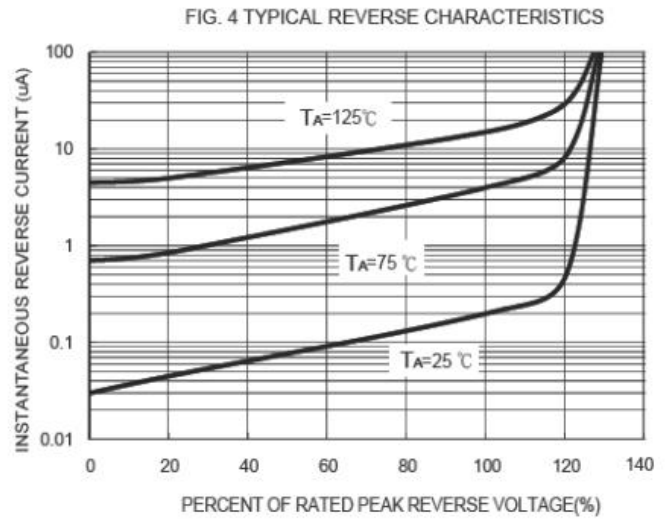
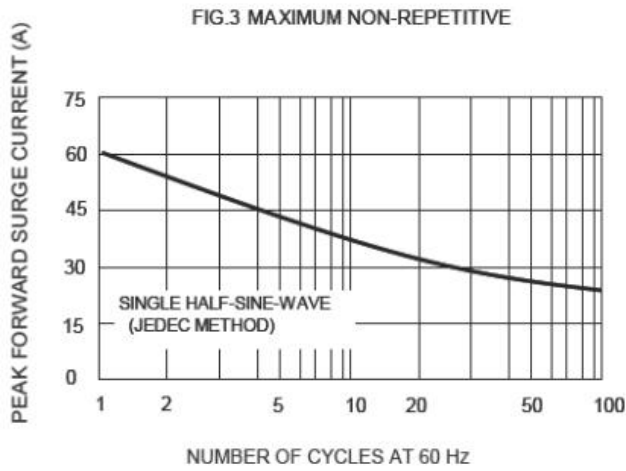
**Thermal-Mechanical Specifications@T<sub>A</sub>=25°C unless otherwise specified**

Type Number	Symbol	EABS21	EABS22	EABS24	EABS26	Units
Typical Thermal Resistance	R <sub>θJA</sub> R <sub>θJL</sub>	62.5 25				°C/W
Operating and Storage Temperature Range	T <sub>J</sub> , T <sub>STG</sub>	-55 to +150				°C

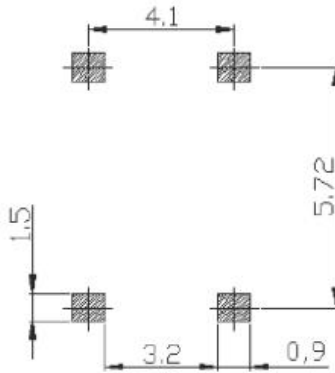
Note:1. Reverse Recovery Test Conditions: I<sub>F</sub>=0.5A, I<sub>R</sub>=1.0A, I<sub>RR</sub>=0.25A

**Ratings and Characteristics Curves**


**Technical Data**  
**Data Sheet N1909, Rev. A**



**ABS PAD LAYOUT**

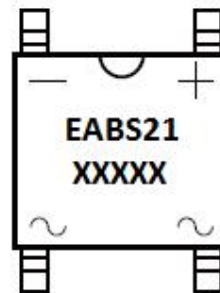


**Ordering Information**

Device	Package	Plating	Shipping
EABS21 THRU EABS26	ABS (Pb-Free)	Pure Sn	5000pcs / reel

For information on tape and reel specifications, including part orientation and tape sizes, please refer to our tape and reel packaging specification.

**Marking Diagram**

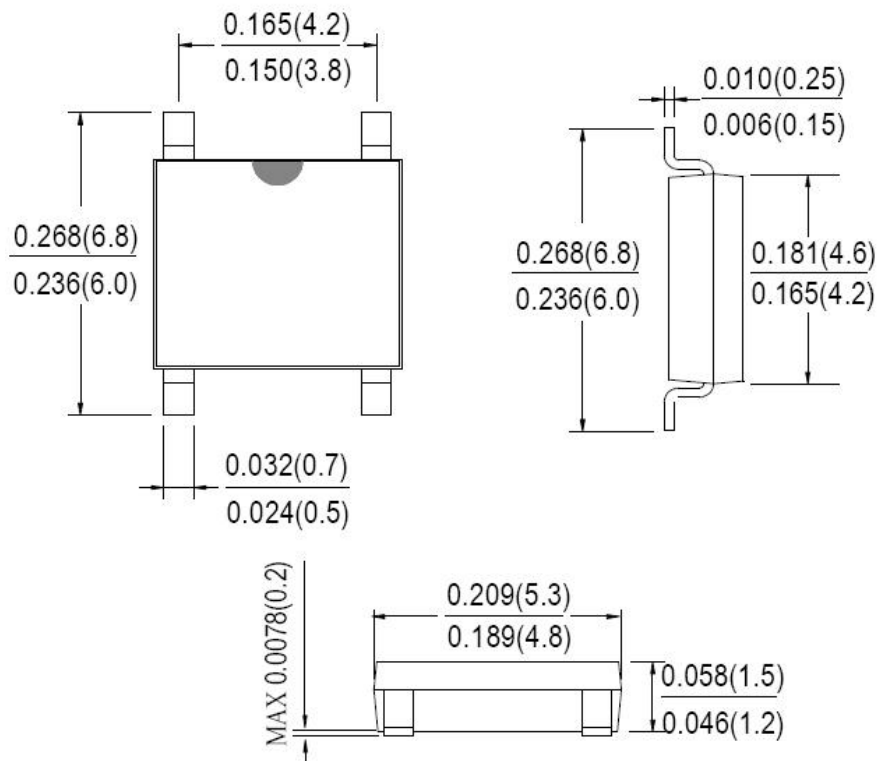


Where XXXXX is YYWWL

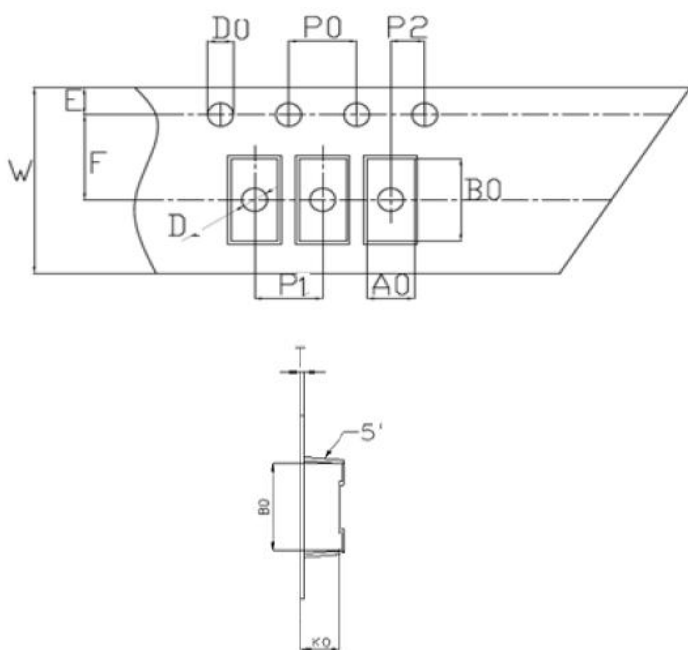
EABS21 = Type Number  
YY = Year  
WW = Week  
L = Lot Number

**Cautions:** Molding resin  
Epoxy resin UL:94V-0

## Mechanical Dimensions ABS(Inches/Millimeters)



## Carrier Tape Specification ABS



SYMBOL	Millimeters	
	Min.	Max.
A0	5.21	5.41
B0	7.10	7.30
D0	1.50	1.60
D1	1.40	1.60
P0	3.90	4.10
P1	7.90	8.10
P2	1.95	2.05
E	1.65	1.85
K0	1.55	1.75
F	5.45	5.55
W	11.90	12.10
T	0.24	0.30
10P0	39.80	40.20

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