

Green Products

ABS2U THRU ABS10U SINGLE PHASE 1.0AMP SURFACE MOUNT GLASS PASSIVATED BRIDGE RECTIFIER

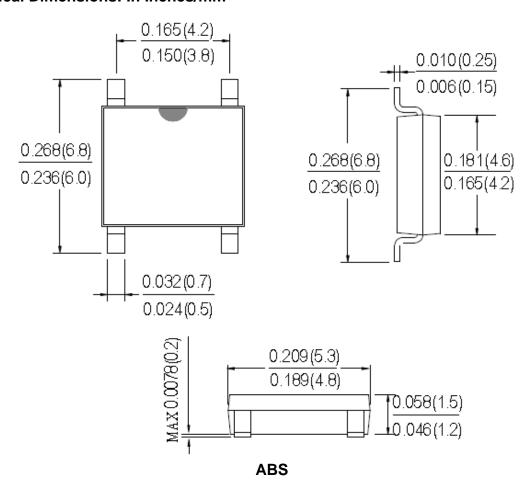
Features:

- 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

Mechanical Data:

- Case: SOPA-4, Molded plastic ABS
- Terminals: Plated leads solderable per MIL-STD-202, Method 208
- Polarity: Polarity symbols marked on case
- Mounting Position: Any

Mechanical Dimensions: In Inches/mm

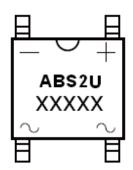


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- http://www.smc-diodes.com sales@ smc-diodes.com •



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Marking Diagram:



Where XXXXX is YYWWL

ABS2U = Part Name
YY = Year
WW = Week
L = Lot Number

Cautions: Molding resin

Epoxy resin UL:94V-0

Ordering Information:

Device	Shipping		
ABS2U THRU ABS10U	ABS (Pb-Free)	5000pcs / reel	

For information on tape and reel specifications, including part orientation and tape sizes, please refer to our Tape and Reel Packaging Specification.



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Maximum Ratings and Electrical Characteristics

Rating at 25°C ambient temperature unless otherwise specified

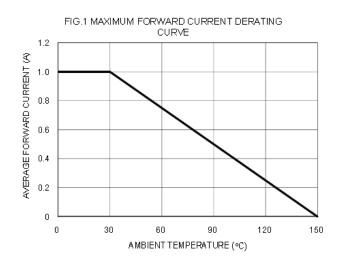
Single Phase half wave 60Hz, resistive or inductive load. For capacitive load current derate by 20%.

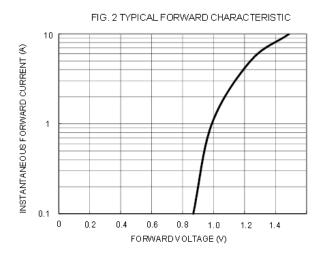
Characteristic	Symbol	ABS2U	ABS4U	ABS6U	ABS8U	ABS10U	Units
Maximum repetitive peak reverse voltage		200	400	600	800	1000	
RMS Reverse Voltage	V _{R(RMS)}	140	280	420	560	700	V
Maximum DC blocking voltage		200	400	600	800	1000	
Average Rectified Output Current @T _A = 30°C	Io	1.0					V
Peak Forward Surge Current 8.3ms Single half sine-wave superimposed on rated load (JEDEC Method)	I _{FSM}	35					А
Forward voltage per element @ I _F = 1.0A	V _F	1.1					V
Maximum DC reverse current $T_A = 25^{\circ}C$ at rated DC blocking voltage $T_A = 125^{\circ}C$		5 500					μΑ
Typical thermal resistance per leg (Note 1)		62.5 25					°C/W
Operating and storage temperature range		-55 to +150					°C

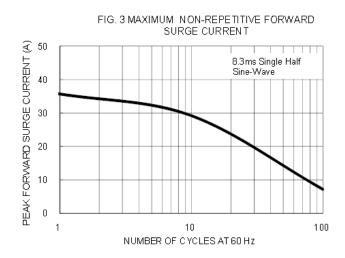
Note: 1. Thermal resistance form junction to ambient and junction to lead mounted on P.C.B. with 0.2X0.2"(5X5mm) copper pads.

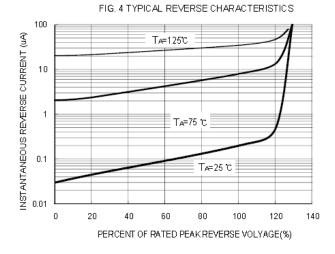


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