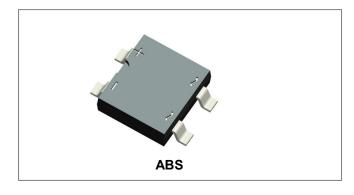






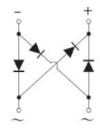
ABS2 THRU ABS10 SINGLE PHASE 0.8AMP SURFACE MOUNT GLASS PASSIVATED BRIDGE RECTIFIER



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 caseMounting Position: Any

Maximum Ratings@T_A=25°C unless otherwise specified

Single Phase half wave 60Hz, resistive or inductive load. For capacitive load current 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} V _{RWM} V _{DC}	200	400	600	800	1000	V
RMS Reverse Voltage	V _{RMS}	140	280	420	560	700	V
Maximum Average Rectified Output Current (Note 1)@T _A =30°C (Note 2)@T _A =30°C	I _(AV)	0.5 0.8				V	
Non-Repetitive Peak Forward Surge Current 8.3ms Single half sine-wave superimposed on rated load (JEDEC Method)	I _{FSM}	30			А		

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Electrical Characteristics@TA=25°C unless otherwise specified

Type Number	Symbol	ABS2	ABS4	ABS6	ABS8	ABS10	Units
Maximum Forward Voltage (per element) @I _F =0.8A	V _F	1.1		V			
Maximum Peak Reverse Current @T _A = 25°C At Rated DC Blocking Voltage @T _A = 125°C	I _R	5.0 500			μA		

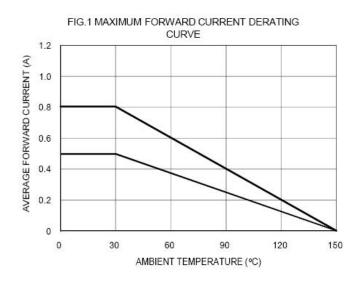
^{*} Pulse width < 300 µs, duty cycle < 2%

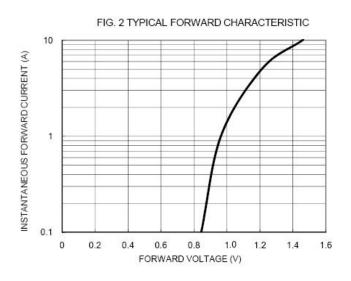
Thermal-Mechanical Specifications@TA=25°C unless otherwise specified

Type Number	Symbol	ABS2	ABS4	ABS6	ABS8	ABS10	Units
Typical Thermal Resistance	R _{0JA} R _{0JL}	62.5 25			°C/W		
Operating and Storage Temperature Range	T _J , T _{STG}	-55 to +150			°C		

Note: 1. Mounted on glass epoxy PC board with 1.3mm² solder pad.

Ratings and Characteristics Curves





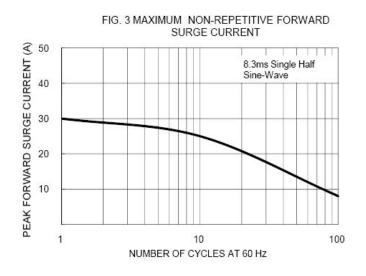
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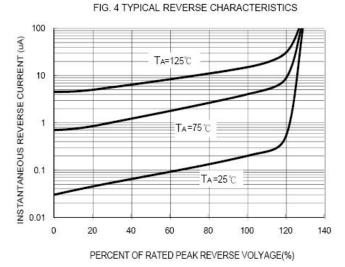
^{2.} Mounted on aluminum substrate PC board with 1.3mm² solder pad.



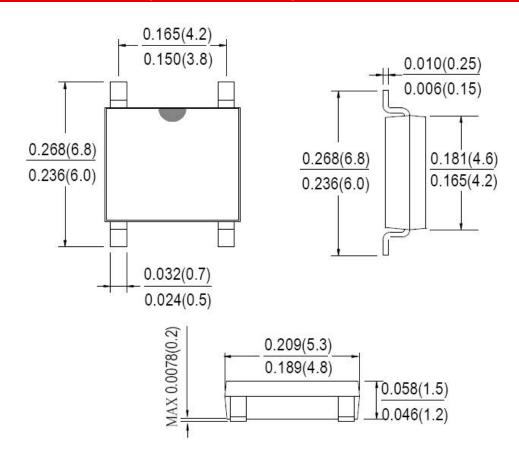








Mechanical Dimensions ABS(Inches/Millimeters)



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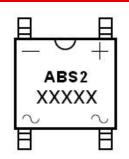


Ordering Information

Device	Package	Plating	Shipping
ABS2 THRU ABS10	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



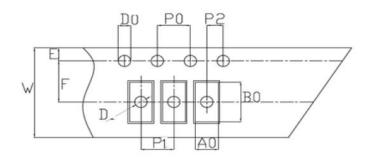
Where XXXXX is YYWWL

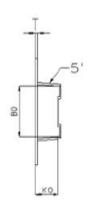
ABS2 = Type Number
YY = Year
WW = Week
L = Lot Number

Cautions: Molding resin

Epoxy resin UL:94V-0

Carrier Tape Specification ABS





	Millimeters				
SYMBOL	Min.	Max.			
A0	5.21	5.41			
В0	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			
Т	0.24	0.30			
10P0	39.80	40.20			

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