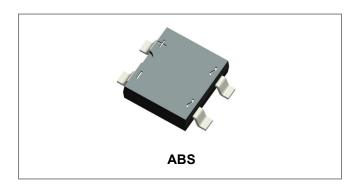






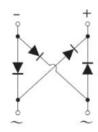
ABS22 THRU ABS210 SINGLE PHASE 2.0A MP SURFACE MOUNT GLASS PASSIVATED BRIDGE RECTIFIER



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
- "-HF" suffix is for Halogen 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

Maximum Ratings and Electrical Characteristics @TA=25°C unless otherwise specified

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

Type Number	Symbol	ABS22	ABS24	ABS26	ABS28	ABS210	Unit
ABS22-HF THRU ABS210-HF Marking Code		ABS22H	ABS24H	ABS26H	ABS28H	ABS210H	
Peak Repetitive Reverse Voltage Working Peak Reverse Voltage DC Blocking Voltage	V _{RRM} V _{RWM} V _{DC}	200	400	600	800	1000	٧
RMS Reverse Voltage	V _{RMS}	140	280	420	560	700	V
Average Rectified Output Current @T _C =100°C	Io			2.0			А
Non-Repetitive Peak Forward Surge Current 8.3ms Single half sine-wave superimposed on rated load (JEDEC Method) 60			Α				
I²t Rating for Fusing (t < 8.3ms)	l²t	15			A ² s		

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Electrical Characteristics:

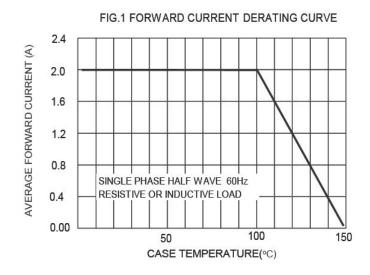
Type Number		ABS22	ABS24	ABS26	ABS28	ABS210	Unit
ABS22-HF THRU ABS210-HF Marking Code		ABS22H	ABS24H	ABS26H	ABS28H	ABS210H	
Forward Voltage (per element) @I _F =1.0A @I _F =2.0A	VF			0.95 1.00			V
Peak Reverse Current @T _A = 25°C At Rated DC Blocking Voltage @T _A = 125°C	I _R	5.0 200			μA		

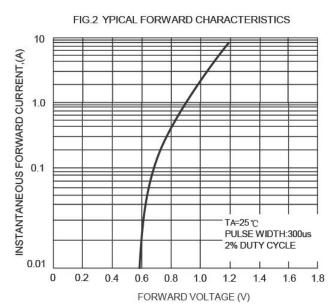
^{*} Pulse width < 300 μ s, duty cycle < 2%

Thermal-Mechanical Specifications:

Type Number	Symbol	ABS22	ABS24	ABS26	ABS28	ABS210	Unit
ABS22-HF THRU ABS210-HF Marking Code		ABS22H	ABS24H	ABS26H	ABS28H	ABS210H	
Typical Thermal Resistance (per leg)	R _{0JA} R _{0JL}	62.5 25					°C/W
Operating and Storage Temperature Range	T _J , T _{STG}	-55 to +150			°C		

Ratings and Characteristics Curves



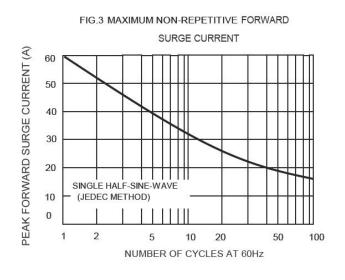


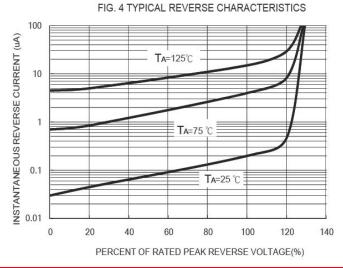
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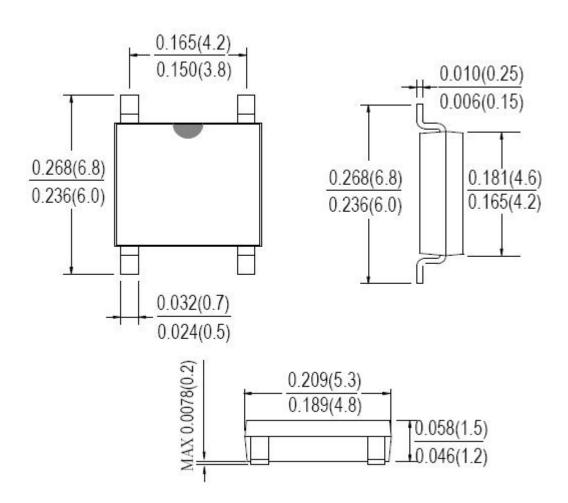








Mechanical Dimensions ABS(Inches/Millimeters)



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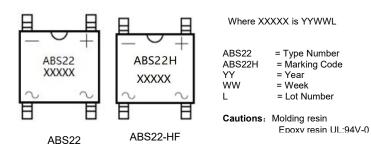


Ordering Information

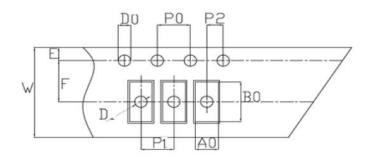
Device	Package	Plating	Shipping
ABS22			
THRU	ABS	Pure Sn	5000pcs / reel
ABS210			
ABS22TR			
THRU	ABS	Pure Sn	5000pcs / reel
ABS210TR			

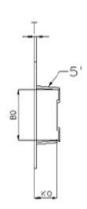
For information on tape and reel specifications, including part orientation and tape sizes, please refer to our tape and reel packaging specification.

Marking Diagram



Carrier Tape & Reel Specification ABS





SYMBOL	Millimeters				
STWIDOL	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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