

UABS152 THRU UABS1510

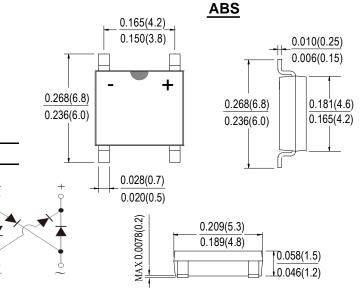
SINGLE PHASE 1.5 AMP ULTRA FAST GLASS PASSIVATED BRIDGE RECTIFIER

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: as marked on case
- Mounting position: Any
- Marking: type number



Dimensions in inches and (millimeters)

Maximum Ratings and Electrical Characteristics

Single Phase, half wave, 60Hz, resistive or inductive load.

For capacitive load, derate current by 20%.

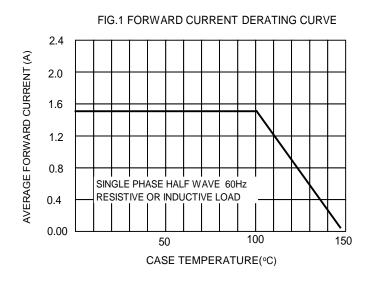
TYPE NUMBER	SYMBOL	UABS152	UABS154	UABS156	UABS158	UABS1510	UNITS
Peak Repetitive Reverse Voltage Working Peak Reverse Voltage DC Blocking Voltage	VRRM	200	400	600	800	1000	V
	VRWM						
	VDC						
RMS Reverse Voltage	VRMS	140	280	420	560	700	V
Average Rectified Output Current @Tc =100℃	IF(AV)	1.5					А
Non-Repetitive Peak Forward Surge Current 8.3ms Single half sine-wave superimposed on rated load (JEDEC Method)	Ігѕм	50					Α
Rating for fusing (t<8.3ms)	l²t	10.375					A ² s
Forward Voltage per element @IF=1.5A	VFM	1.0	1.3	1.7			V
Maximum Reverse Recovery Time (Note 1)	Trr	50 75			ns		
Peak Reverse Current @TA =25℃ At Rated DC Blocking Voltage @TA =125℃	lr	5.0 200					uA
Typical Thermal Resistance per leg	Reja	62.5					°C/W
	Rejl	25					
Operating and Storage Temperature Range	TJ,Tstg	-55to+150					$^{\circ}\mathbb{C}$

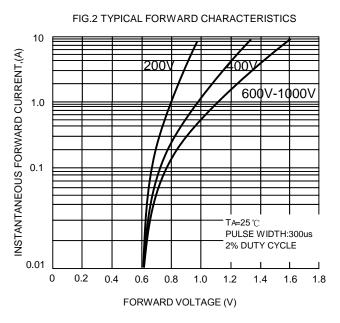
Note: 1.Reverse Recovery Test Conditions:IF=0.5A,IR=1.0A,IRR=0.25A.

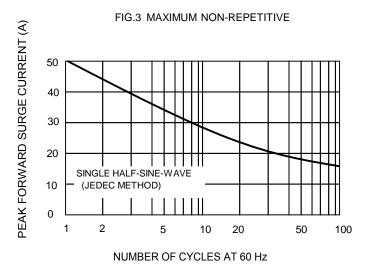
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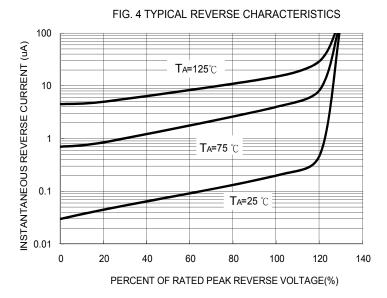


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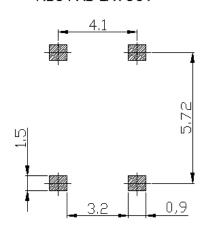








ABS PAD LAYOUT





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