

SMB4S THRU SMB10S SBS

0.8A Ultra small mini bridge stack

Reverse Voltage - 400 to 1000 V

Forward Current - 0.8A

FEATURES

- ♦Low profile space
- ♦Ideal for printed circuit board
- ♦Low reverse leakage
- ♠Applicated in power supply equipment
- High ring wave immunity capability
- High temperature soldering guaranteed:260°C/10 seconds
- ♦Component in accordance to RoHS 2011/65/EU and WEEE 2002/96/EC

MECHANICAL DATA

♦Case: SBS

♦ Molding compound meets UL 94 V-0 flammability rating

♦Terminals: Solder plated, solderable per MIL-STD-750

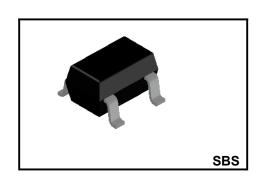
Method 2026

♦Polarity: Mark a dot at the positive position.

The other end on the same side is negative.AC pole is on the

other side

♦Mounting Position: Any



Marking Code				
SMB4S	08B4			
SMB6S	08B5			
SMB8S	08B6			
SMB10S	08B7			

Maximum Ratings & Thermal Characteristics (T_A=25℃ unless otherwise noted)

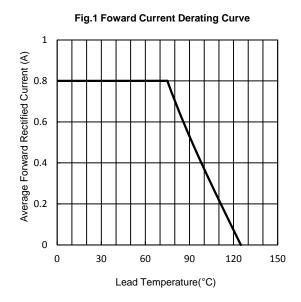
Parameter		Symbols	SMB4S	SMB6S	SMB8S	SMB10S	Units
Maximum Repetitive Peak Reverse Vo	oltage	V_{RRM}	400	600	800	1000	٧
Maximum RMS bridge input voltage		V _{RMS}	280	420	560	700	V
Maximum DC blocking voltage		V _{DC}	400	600	800	1000	v
Average forward rectified current		I _(AV)	0.8				А
Peak forward surge current 8.3 ms single half sine-wave superimposed on rated load		I _{FSM}	25				Α
Rating for fusing (t < 8.3 ms)		l² t	2.6				A²s
Instantaneous forward voltage I _F =0.8A		VF	0.9				v
Reverse current	TJ=25℃ TJ=125℃	- IR	5.0 100		μΑ		
Thermal resistance from junction to ambient		R _{0JA}	180				°C/W
Thermal resistance from junction to lead		R _{0JL}	35				°C/W
Operating and Storage Temperature Range		T _j , T _{stg}	-55 ~ + 125				°C

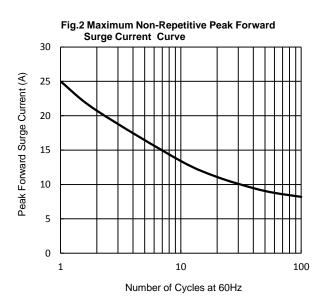
Note 1:On 1.6mm thick glass epoxy P.C.B.(1OZ) mounted on 0.05×0.05 " (1.3 x 1.3 mm) solder pads. Note 2: Pulse test:300µs pulse width,1% duty cycle.

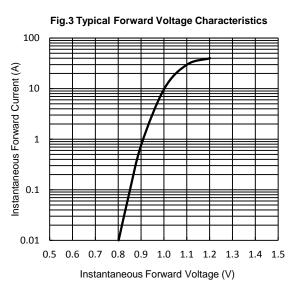
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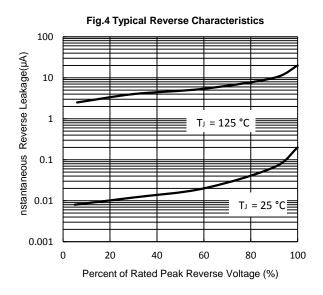


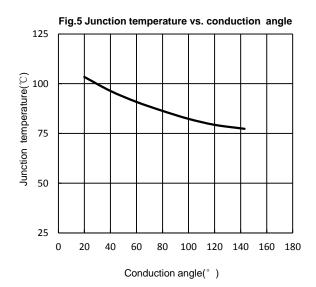
Rating and Characteristic Curves(TA=25℃ Uniless otherwise noted)







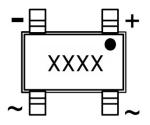




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Marking Diagram

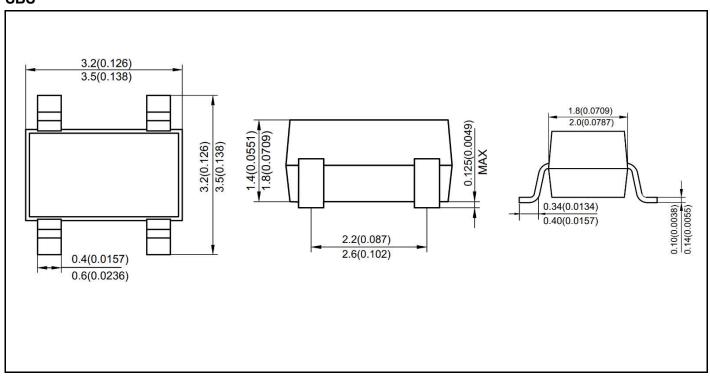


Ordering information

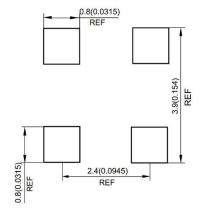
Package	Packing Description	Packing Quantity	
SBS	Tape/Reel,13"reel	10000PCS/Reel 100000PCS/Carton	

Package Dimensions

SBS



The recommended mounting pad size



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