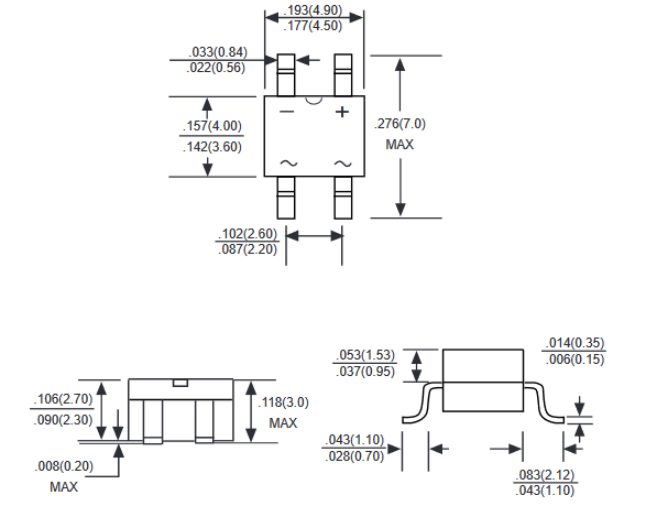


SMD Schottky Bridge

Primary characteristics		
Parameter	Value	Unit
Maximum Repetitive Peak Reverse Voltage	40 ~ 200	V
Maximum Average Forward Rectified Current	2.0	A

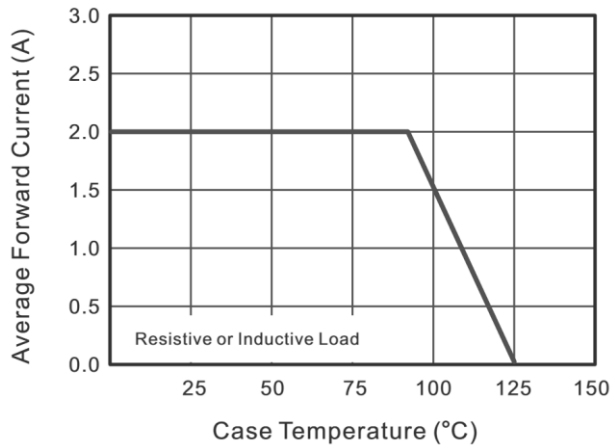
Features

- MBS case for easy automatic insertion
- Pb-free and RoHS compliant
- High current capability
- Low forward voltage drop
- Low power loss, high efficiency
- Solderable per MIL-STD-750, Method 2026
- Weight: 0.0035oz, 100mg

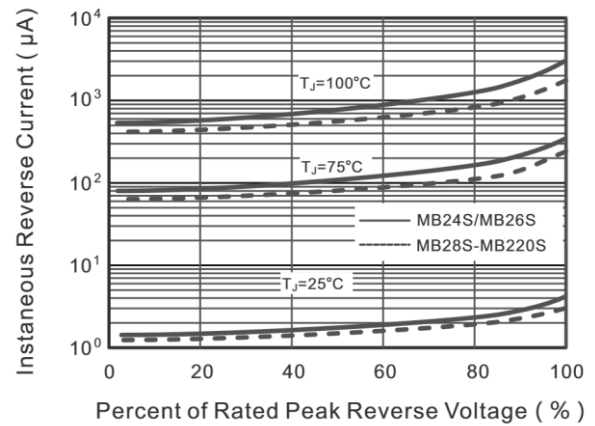
Case dimensions

MBS

Absolute maximum ratings and general electrical characteristics (T _a = 25°C)								
Parameter		Symbol	Value					Unit
			MB24S	MB26S	MB28S	MB210S	MB220S	
Maximum repetitive peak reverse voltage		V _{RRM}	40	60	80	100	200	V
Maximum RMS voltage		V _{RMS}	28	42	56	70	140	
Maximum DC blocking voltage		V _{DC}	40	60	80	100	200	
Average rectified output current		I _{F(AV)}	2.0					A
Peak forward surge current 8.3mS single half sine wave superimposed on rated load (JEDEC method)		I _{FSM}	50		40			
Maximum instantaneous forward voltage @2.0A		V _F	0.55	0.7	0.85			V
Maximum DC reverse current at rated DC blocking voltage	T _a =25°C	I _R	0.5			0.3		μA
	T _a =100°C		10			5.0		
Typical junction capacitance ¹⁾		C _j	220	80				pF
Typical thermal resistance ²⁾		R _{θJA}	75					°C/W
Operating temperature range		T _j	-55 ~ 125					°C
Storage temperature range		T _{stg}	-55 ~ 150					°C
1) Measured at 1.0MHz and applied reverse voltage of 4.0VDC								
2) Mounted on glass epoxy PC board with 1.5x1.5" (3.81x3.81cm) copper pad								

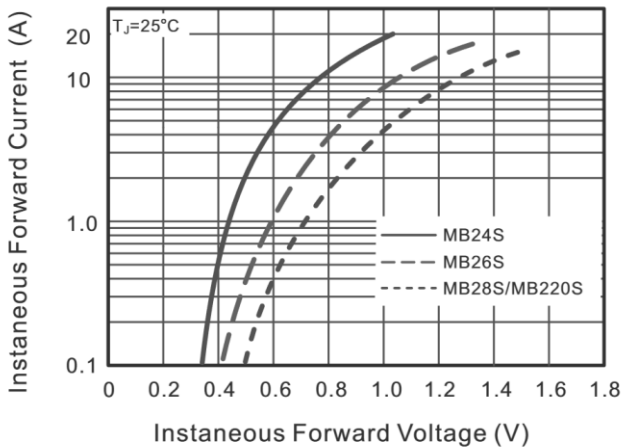
Forward current derating curve



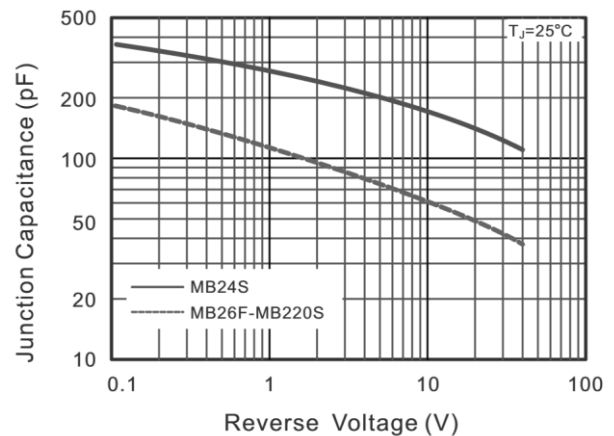
Typical reverse characteristics



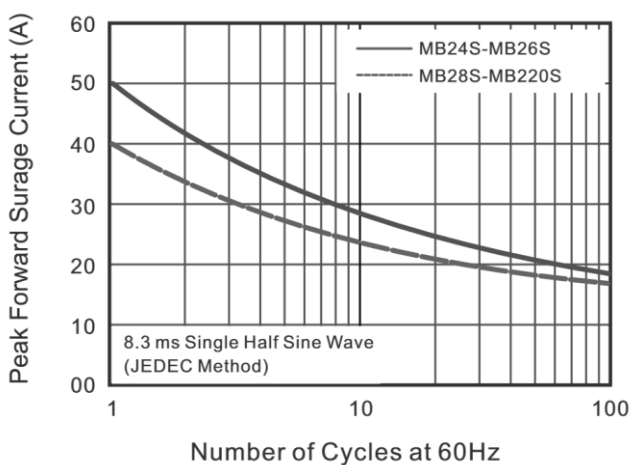
Typical forward characteristic



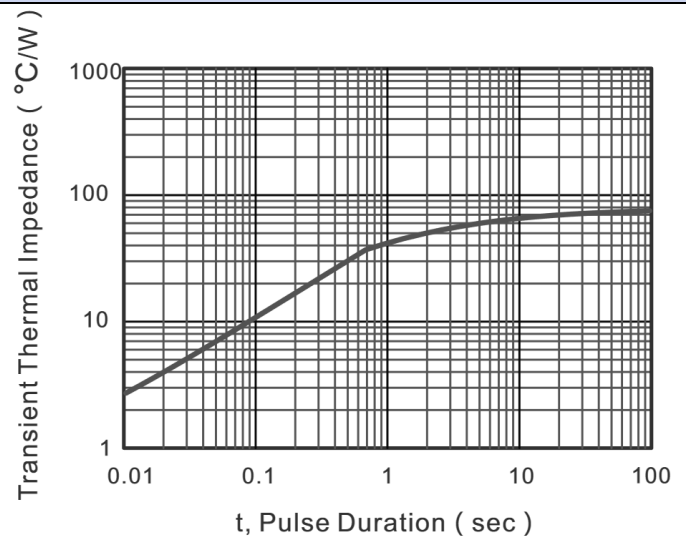
Typical junction capacitance

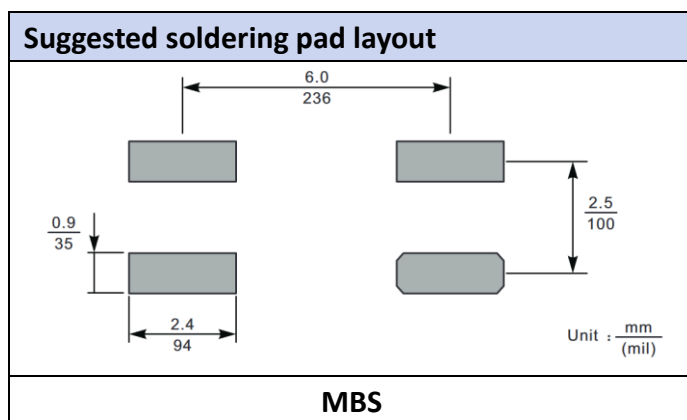


Maximum non-repetitive peak forward surge current



Typical transient thermal impedance





Ordering information			
Part Number	Package	Shipping Quantity	Dimensions
MB24S ~ MB220S	MBS	3000 pcs / 13" reel	---

Disclaimer

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