



2A SURFACE MOUNT SCHOTTKY BRIDGE

FEATURES:

- Reverse Voltage - 40 to 200 V
- Forward Current - 2 A
- High Surge Current Capability
- Designed for Surface Mount Application

PINNING

PIN	DESCRIPTION
1	Input Pin (~)
2	Input Pin (~)
3	Output Anode (+)
4	Output Cathode (-)



MBS Package

MECHANICAL DATA

- Case: MBS
- Terminals: Solderable per MIL-STD-750, Method 2026
- Approx. Weight: 100mg / 0.0035oz

Maximum Ratings and Electrical characteristics

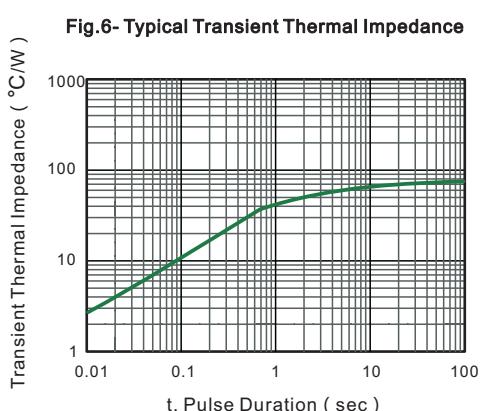
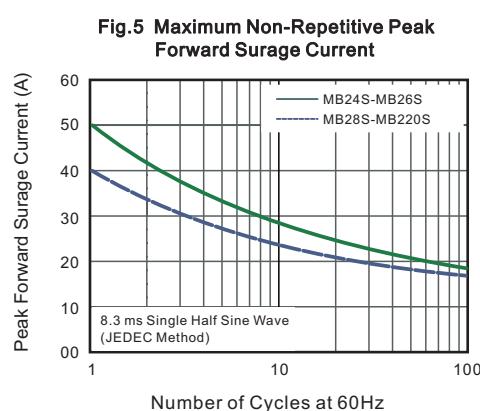
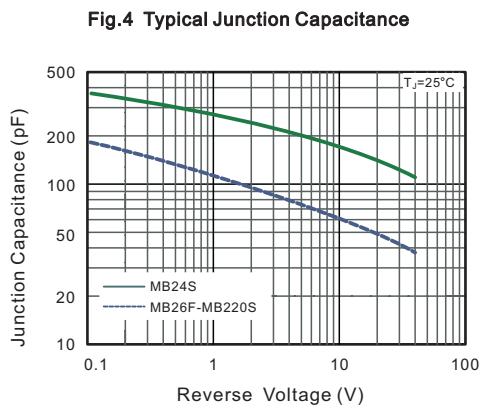
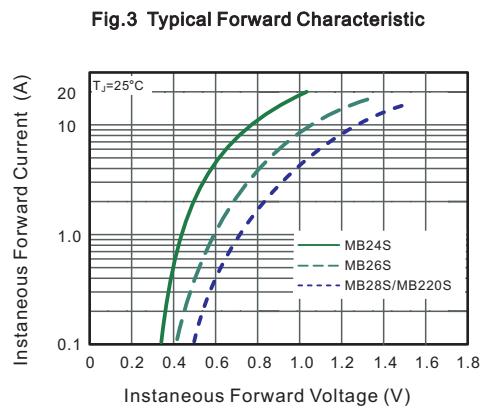
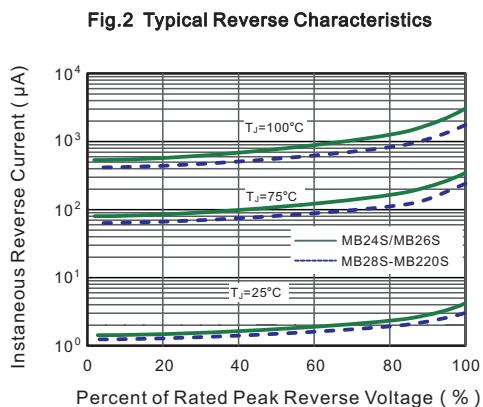
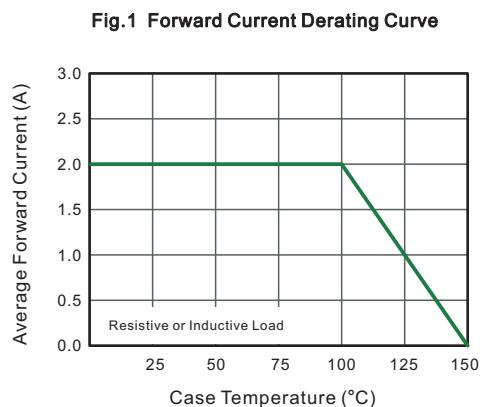
Ratings at 25 °C ambient temperature unless otherwise specified.

Single phase half-wave 60 Hz, resistive or inductive load, for capacitive load current derate by 20 %.

Parameter	Symbols	MB24S	MB26S	MB28S	MB210S	MB220S	Units					
Maximum Repetitive Peak Reverse Voltage	V _{RRM}	40	60	80	100	200	V					
Maximum RMS voltage	V _{RMS}	28	42	56	70	140	V					
Maximum DC Blocking Voltage	V _{DC}	40	60	80	100	200	V					
Maximum Average Forward Rectified Current at T _c = 100°C	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			A					
Max Instantaneous Forward Voltage at 2 A	V _F	0.55	0.70	0.85			V					
Maximum DC Reverse Current T _a = 25°C at Rated DC Reverse Voltage T _a = 100°C	I _R	0.5 10		0.3 5		mA						
Typical Junction Capacitance ¹⁾	C _j	220	80			pF						
Typical Thermal Resistance ²⁾	R _{θJA}	75					°C/W					
Operating Junction Temperature Range	T _j	-55 ~ +150					°C					
Storage Temperature Range	T _{stg}	-55 ~ +150					°C					

Note: 1. Measured at 1MHz and applied reverse voltage of 4 V D.C.

2. Mounted on glass epoxy PC board with 4×1.5"×1.5" (3.81×3.81 cm) copper pad.

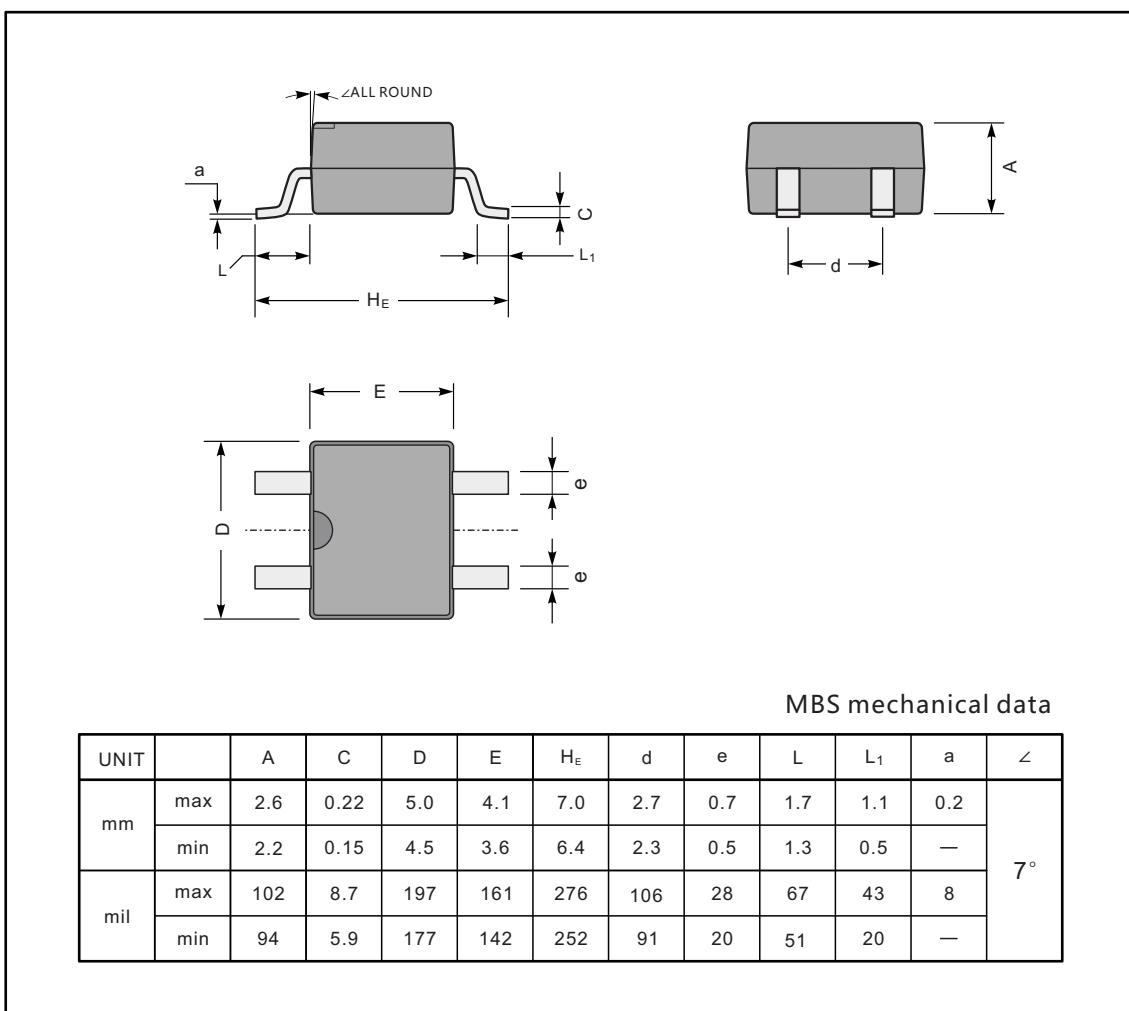




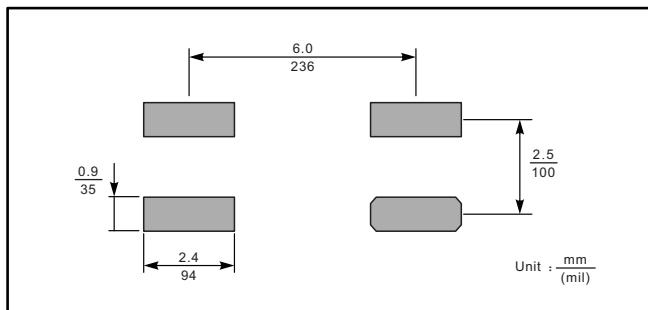
PACKAGE OUTLINE

Plastic surface mounted package; 4 leads

MBS



The recommended mounting pad size



Marking

Type number	Marking code
MB24S	MB24S
MB26S	MB26S
MB28S	MB28S
MB210S	MB210S
MB220S	MB220S

A small schematic symbol representing the package, labeled MBxxS, indicating the marking code for the type number.