1.5A SURFACE MOUNT GLASS PASSIVATED BRIDGE RECTIFIER

FEATURES:

Glass Passivated Chip Junction

Reverse Voltage - 600 V

Forward Current - 1.5A

High Surge Current Capability

Designed for Surface Mount Application

MECHANICAL DATA

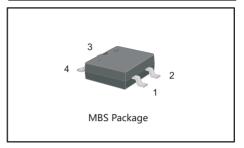
· Case: MBS

• Terminals: Solderable per MIL-STD-750, Method 2026

• Approx. Weight: 100mg / 0.0035oz

PINNING

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



Maximum Ratings and Electrical characteristics

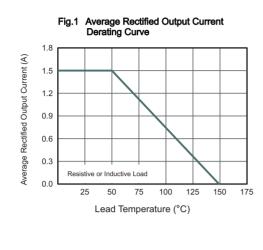
Ratings at 25 °C ambient temperature unless otherwise specified.

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

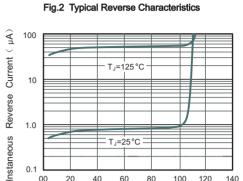
Parameter	Symbols	MB6S-15	Units
Maximum Repetitive Peak Reverse Voltage	V_{RRM}	600	V
Maximum RMS voltage	V _{RMS}	420	V
Maximum DC Blocking Voltage	V _{DC}	600	V
Average Rectified Output Current	Io	1.5	А
Peak Forward Surge Current 8.3 ms Single Half Sine Wave Superimposed on Rated Load (JEDEC Method)	I _{FSM}	40	А
Maximum Forward Voltage at 1.5 A	V _F	1.1	V
Maximum DC Reverse Current @T _A =25 °C at Rated DC Blocking Voltage @T _A =125 °C	I _R	5 100	μΑ
Typical Junction Capacitance (Note1)	C _j	15	pF
Typical Thermal Resistance (Note2)	R _{θJA} R _{θJL}	100 40	°C/W
Operating and Storage Temperature Range	T_{j}, T_{stg}	-55 ~ +150	°C

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

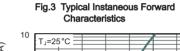
2. Mounted on glass epoxy PC board with $4 \times 2.0 \text{mm} \times 1.1 \text{mm}$ copper pad.







percent of Rated Peak Reverse Voltage (%)



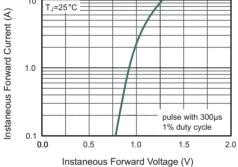
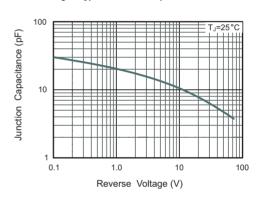
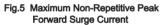
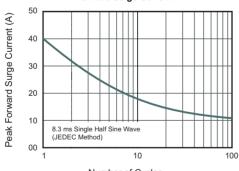


Fig.4 Typical Junction Capacitance



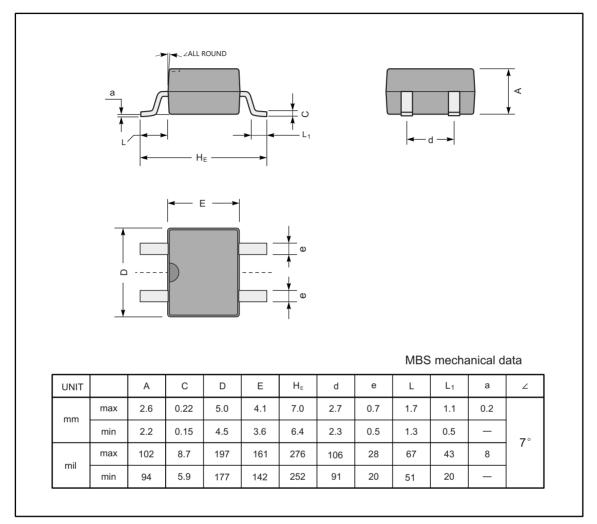




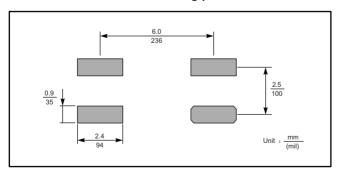
PACKAGE OUTLINE

Plastic surface mounted package; 4 leads

MBS



The recommended mounting pad size



Marking

Type number	Marking code		
MB6S-15	15S6		

文件履历表

序号	生1 / / / / 一 日 日	上		& T 内 宏	亦田百曰	生儿/4欠子工人	夕沪
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