

Surface Mount Schottky Bridge Rectifier Reverse Voltage 20 to 100 Volts Forward Current 1.0 Ampere

Features

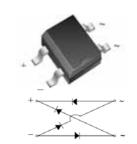
Plastic package has Underwriters Laboratory Flammability

Classification 94V-0

High surge overload rating:30A peak

Saves space on printed circuit boards

High temperature soldering guaranteed:260 /10 seconds



Mechanical Data

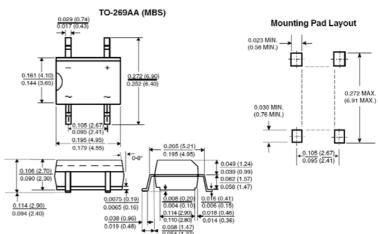
Case: Molded plastic body over passivated junctions

Terminals: plated leads solderable per MIL-STD-750,

Method 2026

Mounting Position:Any

Weight: 0.078 oz., 0.22g



Maximum Ratings & Electrical Characteristics

(T_A=25 unless otherwise noted)

Parameter	Symbol	MB12S	MB14S	MB16S	MB18S	MB110S	Unit
Maximum repetitive peak reverse voltage	V_{RRM}	20	40	60	80	100	٧
Maximum RMS voltage	V_{RMS}	14	28	42	56	70	٧
Maximum DC blocking voltage	V_{DC}	20	40	60	80	100	٧
Maximum Average forward output current	I _{F(AV)}	1.0					Α
Peak forward surge current 8.3 MS single HALF sine-w superimposed on rated load (JEDEC Method)	/av I _{FSM}	30					Α
Maximum instantaneous forward voltage at 1.0A	VF	0.50 0.70 0.85			85	V	
Maximum DC reverse current at TA=25 rated DC blocking voltage per leg TA=100	IR	0.5 20					mA
Typical thermal resistance per leg(Note1)	$R_{ heta JA}$	88 28					/W
Operation junction temperzture range	Tj	-55 to +125					
Storage temperature range	T _{STG}	-55 to +150					

Notes: 1. Thermal resistance form junction to ambient and from junction to lead P.C.B. mounted on 0.2×0.2"(5.0×5.0mm) copper pad areas.

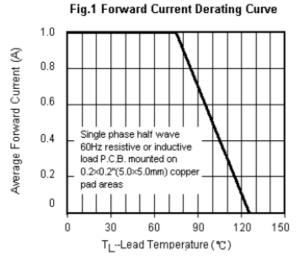


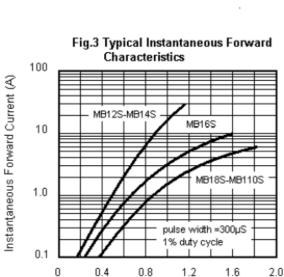
Surface Mount Schottky Bridge Rectifier

Reverse Voltage 20 to 100 Volts Forward Current 1.0 Ampere

Ratings and Characteristics Curves

(TA = 25 unless otherwise noted)





Instantaneous Forward Voltage(V)

