



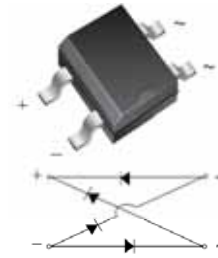
# MB22S thru MB210S

Surface Mount Schottky Bridge Rectifier

Reverse Voltage 20 to 100 Volts Forward Current 2.0 Ampere

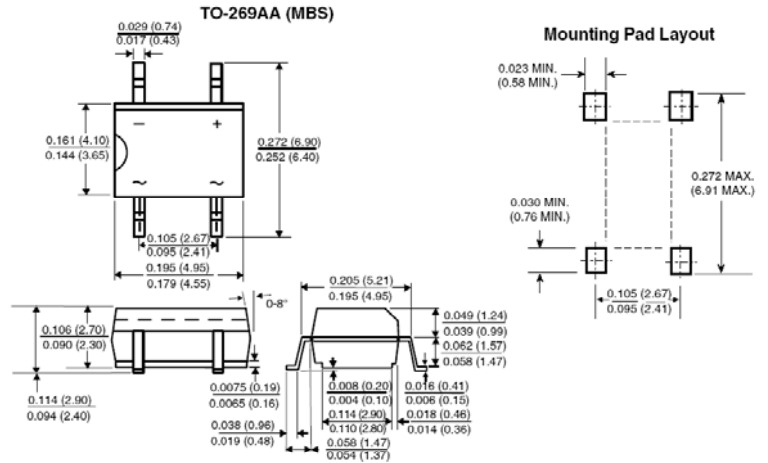
## Features

- Plastic package has Underwriters Laboratory Flammability Classification 94V-0
- High surge overload rating:50A 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	MB22S	MB24S	MB26S	MB28S	MB210S	Unit
Maximum repetitive peak reverse voltage	$V_{RRM}$	20	40	60	80	100	V
Maximum RMS voltage	$V_{RMS}$	14	28	42	56	70	V
Maximum DC blocking voltage	$V_{DC}$	20	40	60	80	100	V
Maximum Average forward output current	$I_{F(AV)}$	2.0					A
Peak forward surge current 8.3 MS single HALF sine-wave superimposed on rated load (JEDEC Method)	$I_{FSM}$	50					A
Maximum instantaneous forward voltage at 2.0A	VF	0.55		0.70	0.85		V
Maximum DC reverse current at $T_A=25$ rated DC blocking voltage per leg $T_A=100$	IR			0.5			mA
Operation junction temperzture range	$T_j$	-55 to +125					
Storage temperature range	$T_{STG}$	-55 to +150					



**Ratings and Characteristics Curves**

(TA = 25 unless otherwise noted)

FIG. 1 - FORWARD CURRENT DERATING CURVE

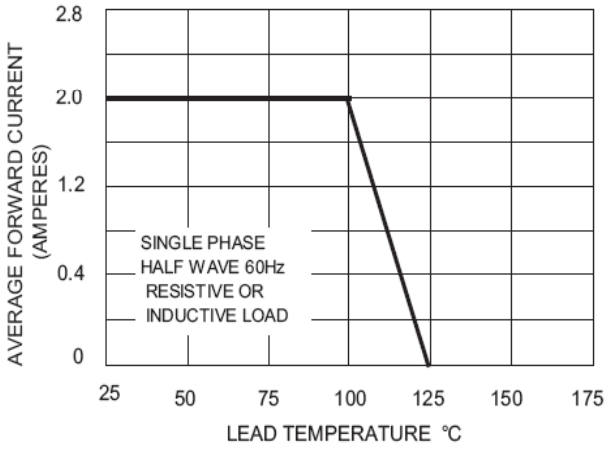


FIG. 2 - MAXIMUM NON-REPETITIVE SURGE CURRENT

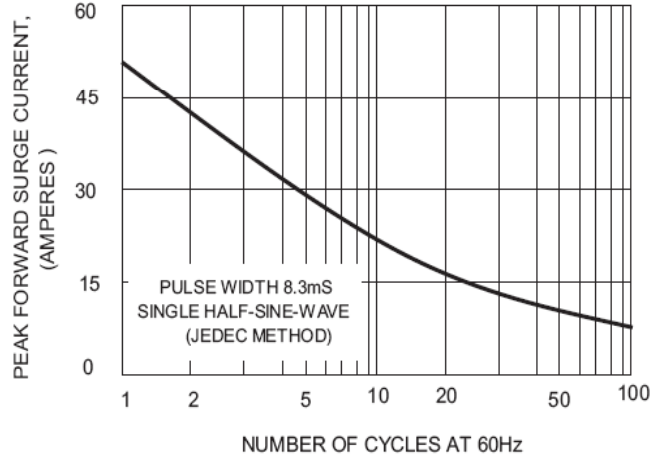


FIG.3-TYPICAL FORWARD CHARACTERISTICS

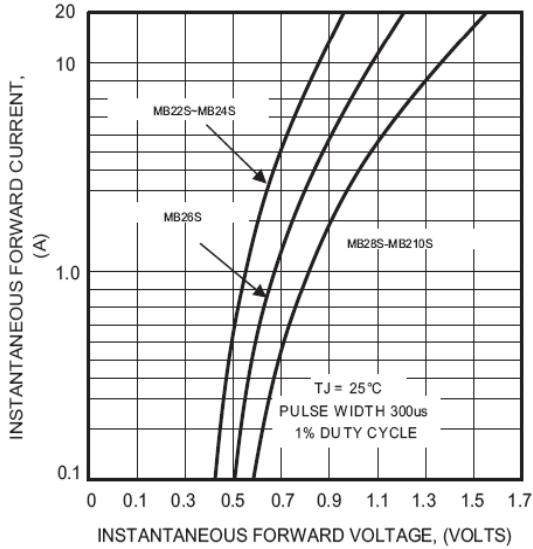


FIG.5-TYPICAL REVERSE CHARACTERISTICS

