

## MB22S thru MB210S

Surface Mount Schottky Bridge Rectifier Reverse Voltage 20 to 100V Forward Current 2A

#### **Features**

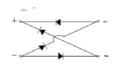
- Plastic package has Underwriters Laboratory Flammability
- Classification 94V-0
- High surge overload rating: 50A peak
- Space saving
- High temperature soldering guaranteed: 260°C/10 seconds



Package:TO-269AA (MBS)

#### **Mechanical Data**

- Case: Molded plastic body over passivated junctions
- Terminals: plated leads solderable per MIL-STD-750 Method 2026
- Mounting Position: Any
- Weight: 0.078oz., 0.22g



**Schematic Diagram** 

### **Maximum Ratings & Electrical Characteristics**

(T<sub>A</sub>=25°C unless otherwise noted)

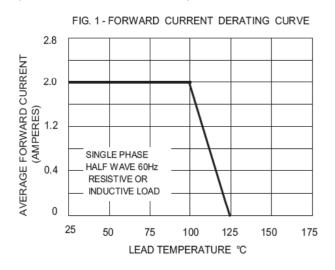
Parameter	Symbol	MB22S	MB24S	MB26S	MB28S	MB210S	Unit
Maximum Repetitive Peak Reverse Voltage	$V_{RRM}$	20	40	60	80	100	V
Maximum RMS Voltage	V <sub>RMS</sub>	14	28	42	56	70	V
Maximum DC Blocking Voltage	V <sub>DC</sub>	20	40	60	80	100	٧
Maximum Average Forward Output Current	I <sub>F(AV)</sub>	2.0					Α
Peak Forward Surge Current 8.3 MS Single Half Sine- Wave Superimposed on Rated Load (JEDEC Method)	I <sub>FSM</sub>	50					А
Maximum Instantaneous Forward Voltage at 2.0A	VF	0.55 0.70 0.84			84	V	
Maximum DC Reverse Current at T <sub>A</sub> =25°C	l <sub>R</sub>	0.5					mA
Rated DC Blocking Voltage per Leg TA=100°C		20					
Operation Junction Temperature Range	$T_J$	-55 to +125					°C
Storage Temperature Range	T <sub>STG</sub>	-55 to +150					°C

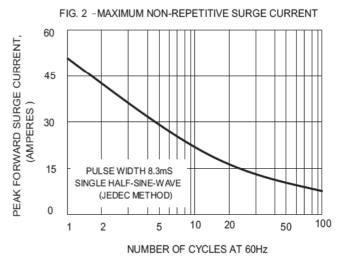
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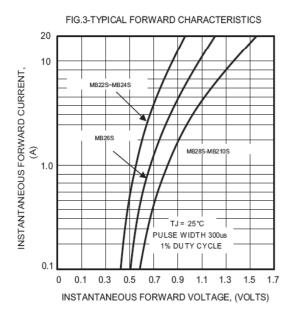
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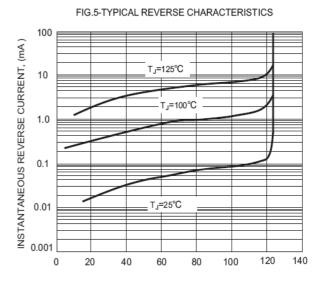
### **Ratings and Characteristics Curves**

(T<sub>A</sub> = 25°C unless otherwise noted)









PERCENT OF RATED PEAK REVERSE VOLTAGE,(%)

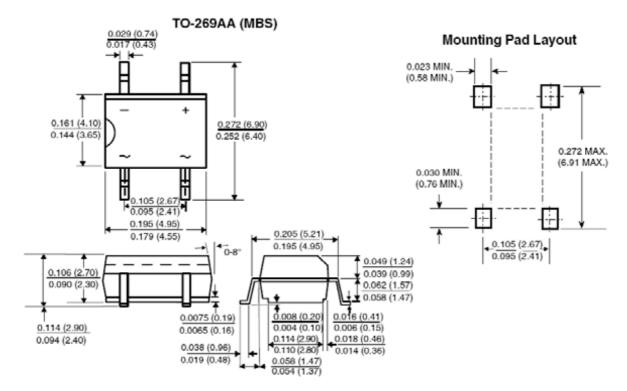


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### **Package Outline Dimensions**

### **TO-269AA (MBS)**



Dimensions in inches and (millimeters)

www.goodarksemi.com 3/3 Doc.USMB22S-MB210SxSD3.0