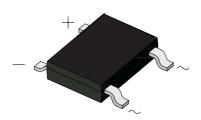
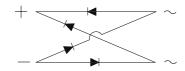


### 1SMZG06GP..1SMZG10GP

## 0.8 Amp. Miniature Single Phase Glass Passivated Surface Mount Bridge Rectifier

#### **TO-269AA / MBS**





# **Voltage** 600 V to 1000 V

### Current 0.8 A

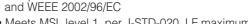
RoHS

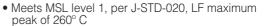
COMPLIANT

HALOGEN

#### **FEATURES**

- Saves space on printed circuit boards
- Ideal for automated placement
- High surge current capability
- Solder dip 260°C, 10s
- Component in accordance to RoHS 2002/95/EC





Halogen-free available according to IEC 61249-2-21 FREE definition

#### **MECHANICAL DATA**

- Case: TO-269AA/MBS. Epoxy meets UL 94V-0 flammability rating.
- Polarity: As marked on body.
- **Terminals:** Matte tin plated leads, solderable per MIL-STD-750 Method 2026, J-STD-002 and JESD22-B102. Consumer grade, meets JESD 201 class 1A whisker test.

#### **TYPICAL APPLICATIONS**

Used in general purpose ac-to-dc bridge full wave rectification for power supply, lighting ballaster, Battery charger, home appliances, office equipement, and terlecommunication applications.

## Maximun Ratings and Electrical Characteristics at 25°C

		1SMZG06GP	1SMZG10GP
Marking Code		Z6	Z10
Halogen Free Marking Code		<b>Z</b> 7	Z14
V <sub>RRM</sub>	Peak Recurrent Reverse Voltage (V)	600	1000
V <sub>RMS</sub>	Maximum RMS Voltage (V)	420	700
I <sub>F(AV)</sub>	Maximum Average Forward Rectified Current On Glass-epoxy P.C.B. On Aluminum Substrate	0.5 A 0.8 A	
I <sub>FSM</sub>	8.3 ms. Peak Forward Surge	35 A	
Tj	Operating Temperature Range	-40 to +150 °C	
T <sub>stg</sub>	Storage Temperature Range	-40 to +150 °C	

## Electrical Characteristics at Tamb = 25 °C

V <sub>F</sub>	Maximun Instantaneous Forward Voltage @ 0.8 A	1.15 V
I <sub>R</sub>	Maximum DC Reverse Current @TA = 25 °C	5.0 μΑ
	at Rated DC Blocking Voltage @TA = 125 °C	100 μΑ

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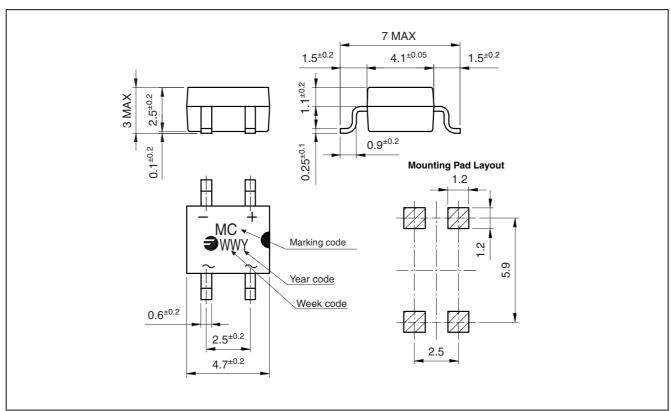


## 0.8 Amp. Miniature Single Phase Glass Passivated Surface Mount Bridge Rectifier

## **Ordering information**

PREFERRED P/N	PACKAGE CODE	DELIVERY MODE	BASE QUANTITY	UNIT WEIGHT (g)
1SMZG06GP TR	TR	13" diameter tape and reel	3,000	0.22
1SMZG06GP HF TR	TR	13" diameter tape and reel	3,000	0.22

## Package Outline Dimensions: (mm) TO-269AA / MBS



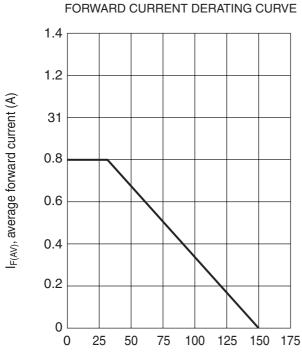
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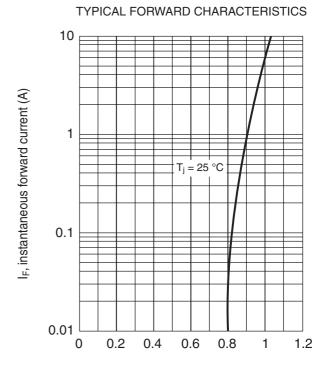
### 1SMZG06GP..1SMZG10GP

## 0.8 Amp. Miniature Single Phase Glass Passivated Surface Mount Bridge Rectifier

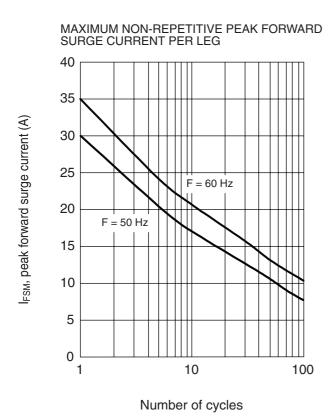
## Ratings and Characteristics (Ta 25 °C unless otherwise noted)

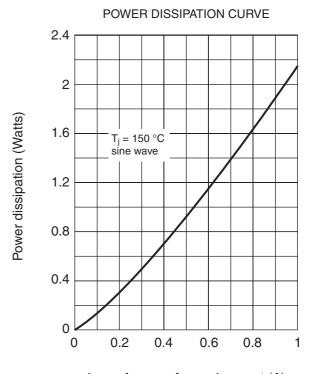






V<sub>F</sub>, instantaneous forward voltage (V)





 $I_{F(AV)}$ , Average forward current (A)



#### 1SMZG06GP..1SMZG10GP

## **0.8 Amp. Miniature Single Phase Glass Passivated Surface Mount Bridge Rectifier**

## **Disclaimer**

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