

# ABS202 THRU ABS210

## SINGLE PHASE 2.0AMP

## SURFACE MOUNT GLASS PASSIVATED BRIDGE RECTIFIER

### Features

- Glass passivated die construction
- Low forward voltage drop
- High current capability
- High surge current capability
- Designed for surface mount application
- Plastic material-UL flammability 94V-O
- RoHS compliant package

### Mechanical Data

- Terminals: plated leads solderable per MIL-STD-202,

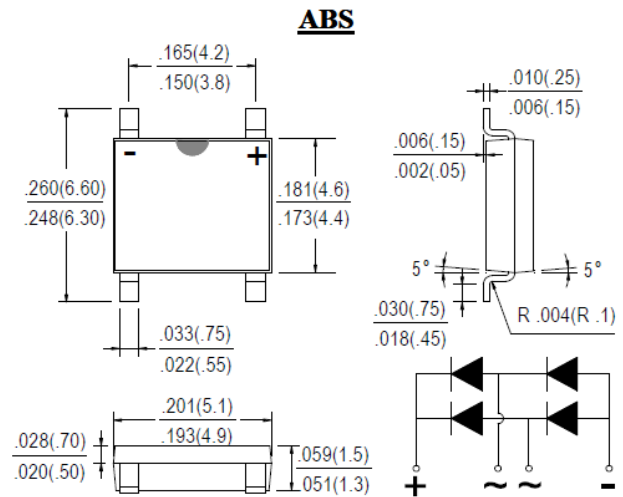
Method 208

- Polarity: as marked on case
- Mounting position: Any
- Marking: type number

**Package type :** ABS (SOPA-4),

### Packing & Order Information

3,000/Reel



Dimensions in inches and (millimeters)

## MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Rating at 25°C ambient temperature unless otherwise specified.

Single Phase, half wave, 60Hz, resistive or inductive load.

For capacitive load, derate current by 20%.

Parameter	Symbol	ABS202	ABS204	ABS206	ABS208	ABS210	Unit	
Peak Repetitive Reverse Voltage	$V_{RM}$							
Working Peak Reverse Voltage	$V_{RMW}$	200	400	600	800	1000	V	
DC Blocking Voltage	$V_{DC}$							
RMS Reverse Voltage	$V_{RSM}$	140	280	420	560	700	V	
Average Rectified Output Current @TA=65°C	$I_D$	2.0						A
Non-Repetitive Peak Forward Surge Current 8.3ms Single half sine-wave superimposed on rated load (JEDEC Method)	$I_{FSM}$	60						A
Forward Voltage per element @ $I_F=2.0A$	$V_{FM}$	1.1						V

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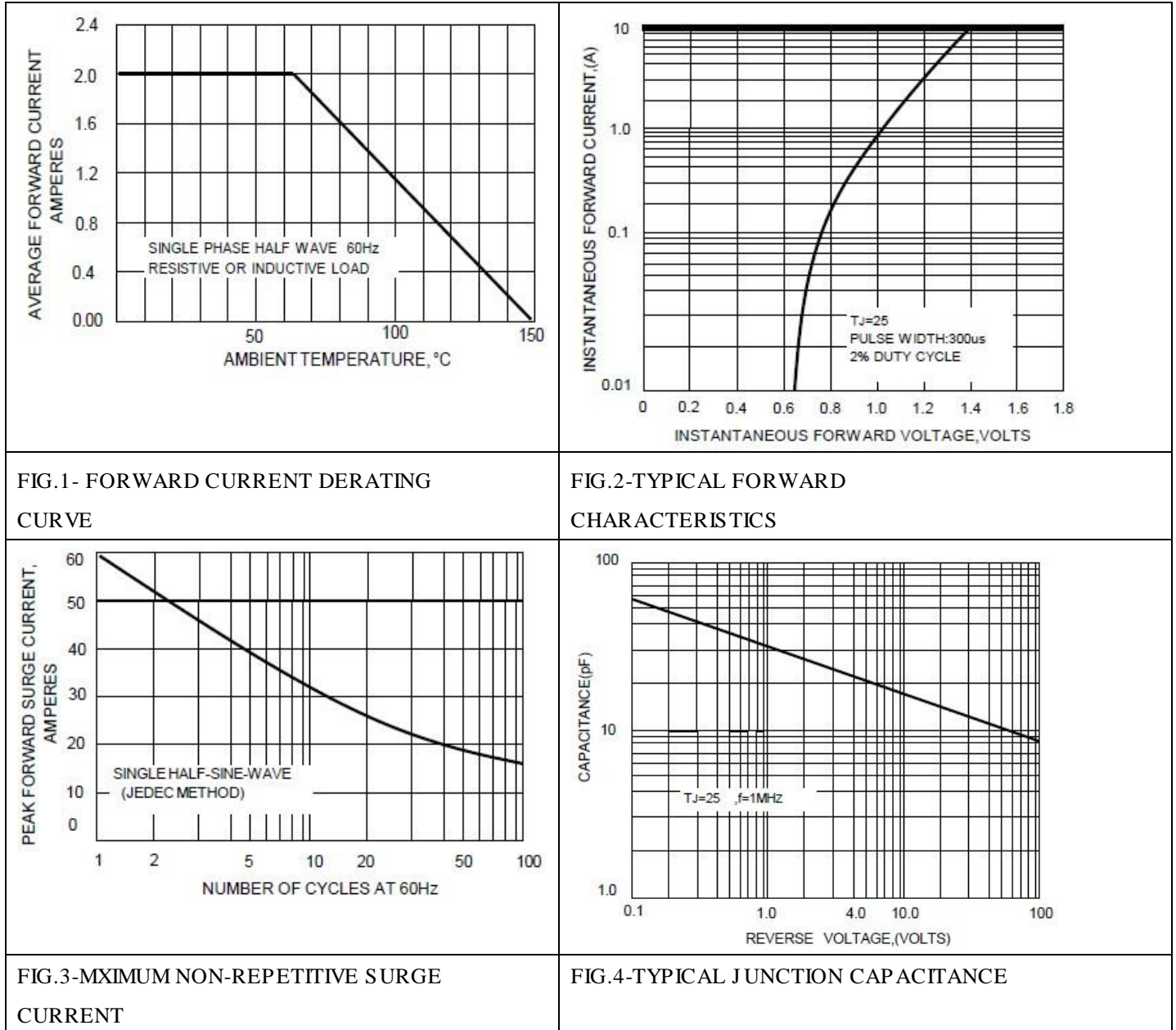
Parameter	Symbol	ABS202	ABS204	ABS206	ABS208	ABS210	Unit
Peak Reverse Current @ TA=25°C	I <sub>R</sub>	5.0					uA
At Rated DC Blocking Voltage @TA=125°C		500					
Typical Thermal Resistance per leg	R <sub>θJA</sub>	62.5					°C/W
	R <sub>θJL</sub>	25					
Operating and Storage Temperature Range	T <sub>j</sub> ,T <sub>stg</sub>	-55 to +150					°C

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### Characteristics Curve



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### Disclaimer

ALL PRODUCT, PRODUCT SPECIFICATIONS AND DATA ARE SUBJECT TO CHANGE

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