

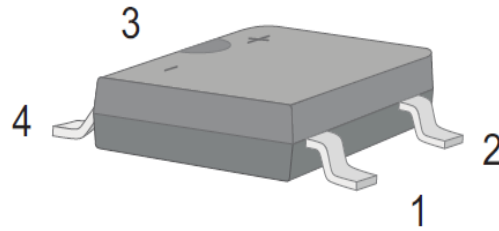
# ABS202 Thru ABS210

## High Current Glass Passivated Molding Single-Phase Bridge Rectifier

Reverse Voltage 200 to 1000V Forward Current 2.0 A

### FEATURES

- Plastic Package has Underwriters Laboratory Flammability Classification 94V-0
- High current capacity with small package
- Glass passivated chip junctions
- Superior thermal conductivity
- High IFSM



### 1. Maximum & Thermal Characteristics Ratings at 25°C ambient temperature unless otherwise specified.

| Parameter Symbol  | Symbol           | ABS202  | ABS204 | ABS206 | ABS208 | ABS210 | Unit               |
|---|------------------|---------|--------|--------|--------|--------|--------------------|
| Maximum repetitive voltage  | VRRM             | 200     | 400    | 600    | 800    | 1000   | V                  |
| Maximum RMS Voltage   | VRMS             | 140     | 280    | 420    | 560    | 700    | V                  |
| Maximum DC Blocking Voltage   | VDC              | 200     | 400    | 600    | 800    | 1000   | V                  |
| Maximum DC reverse current TA=25 °C   | IR               | 5       |        |        |        |        | μA                 |
| at rated DC blocking voltage TA=125°C   |                  | 100     |        |        |        |        |                    |
| Average rectified forward current 60Hz Sine wave Resistance load at Tc = 115 °C   | Io               | 2.0     |        |        |        |        | A                  |
| Peak forward surge current 8.3ms single half sine-wave superimposed on rated load | IFSM             | 50      |        |        |        |        | A                  |
| Rating of fusing (t<8.3ms)  | I <sup>2</sup> t | 10      |        |        |        |        | A <sup>2</sup> sec |
| Max instantaneous forward voltage at 2.0A   | VF               | 1.1     |        |        |        |        | V                  |
| Typical Junction Capacitance (Note1)  | Cj               | 25      |        |        |        |        | pF                 |
| Thermal Resistance (Note2)  | RθJ-A            | 60      |        |        |        |        | °C/W               |
| Between junction and ambient  |                  |         |        |        |        |        |                    |
| Between junction and lead   | RθJ-C            | 16      |        |        |        |        |                    |
| Operating junction temperature  | TJ               | -55~150 |        |        |        |        | °C                 |
| Storage temperature   | Tstg             | -55~150 |        |        |        |        | °C                 |

Note:

1. Measured at 1MHz and applied reverse voltage of 4 V D.C.
2. Mounted on glass epoxy PC board with 4×1.5"×1.5" (3.81×3.81 cm) copper pad.

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## 2. Ratings and Characteristic Curves (TA = 25°C unless otherwise noted)

Fig. 1 Derating Curve

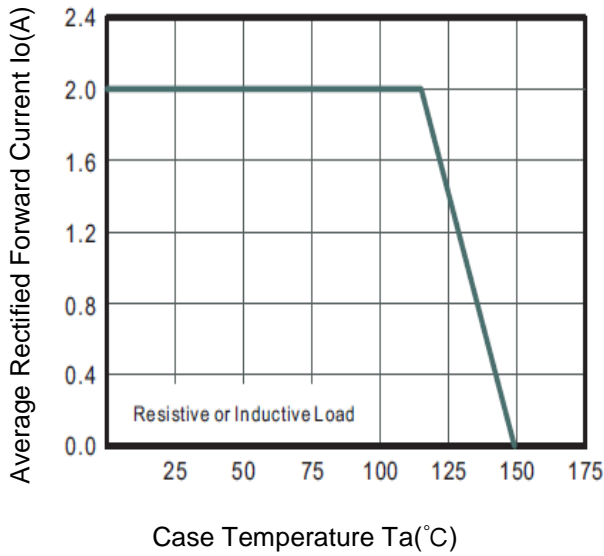


Fig.2 Typical Reverse Characteristics

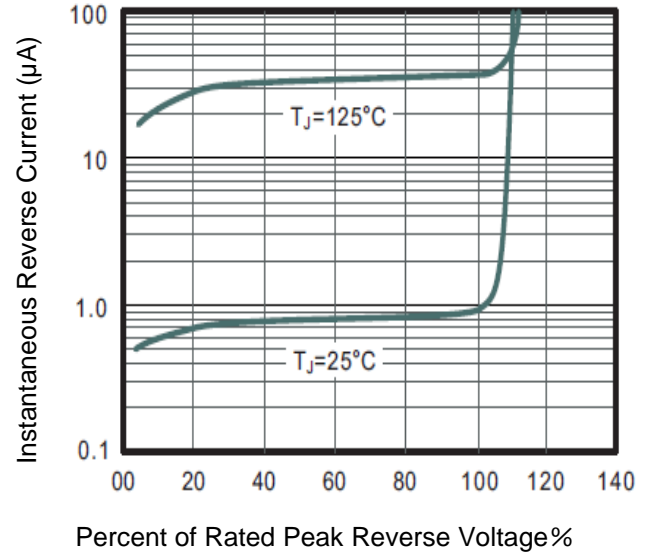


Fig.3 Forward Voltage

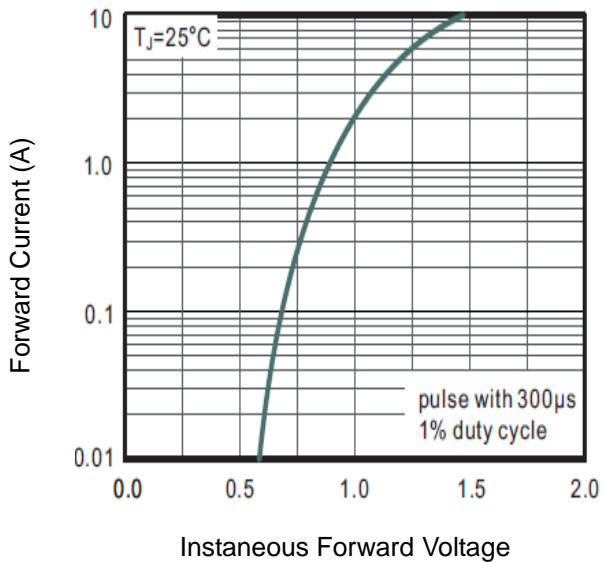
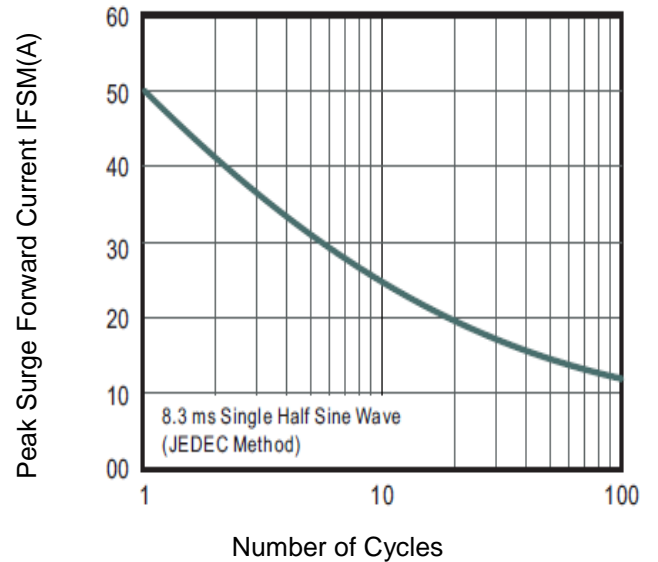
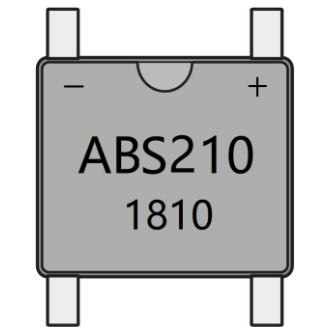


Fig.4 Peak Surge Forward Capability



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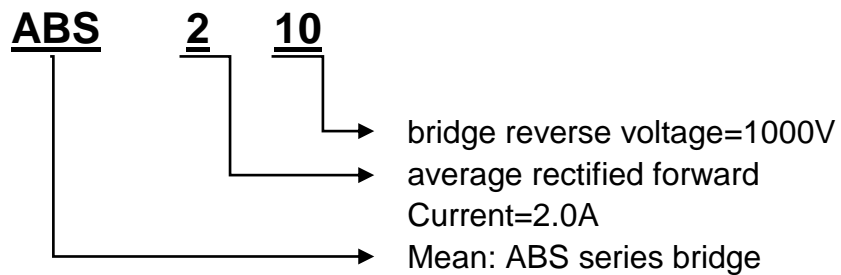
## 3. Marking Identification



**Note:**

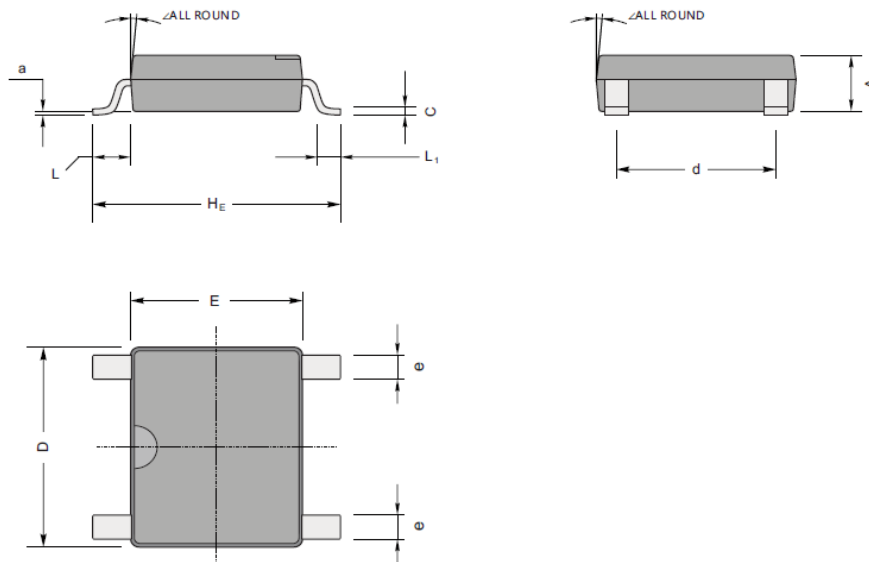
生产日期码包含4位数字，例如“1810”，前两个数字“18”表示为2018年，另外二个数字“10”是指第10周，即表示该产品为2018年10周生产。

型号：



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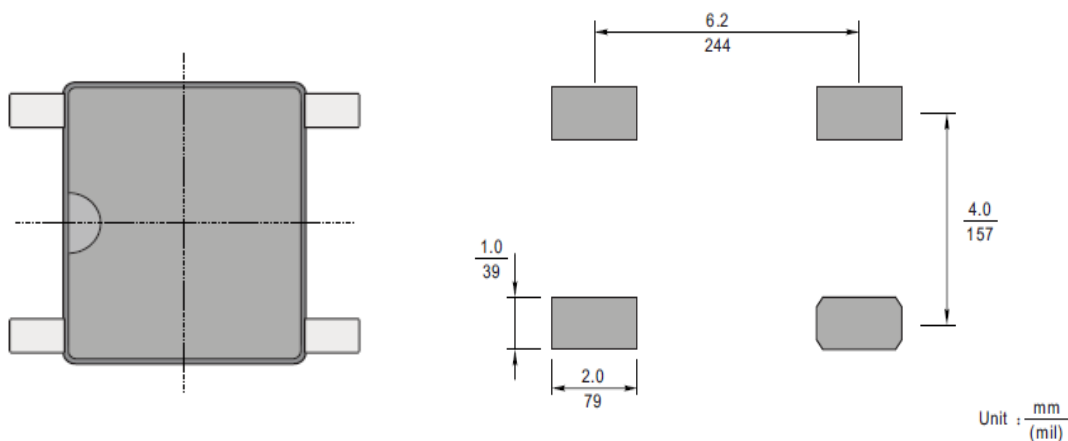
## 4. Dimension(Unit: inch/mm)



ABS mechanical data

| UNIT |     | A   | C    | D   | E   | HE  | d   | e   | L    | L <sub>1</sub> | a   | ∠  |
|------|-----|-----|------|-----|-----|-----|-----|-----|------|----------------|-----|----|
| mm   | max | 1.5 | 0.22 | 5.2 | 4.5 | 6.4 | 4.2 | 0.7 | 0.95 | 0.6            | 0.2 | 7° |
|      | min | 1.3 | 0.15 | 4.9 | 4.2 | 6.0 | 3.8 | 0.5 |      |                |     |    |
| mil  | max | 59  | 8.7  | 205 | 177 | 252 | 165 | 28  | 37   | 24             | 8   |    |
|      | min | 51  | 5.9  | 193 | 166 | 236 | 150 | 20  |      |                |     |    |

## 5. Standard Soldering Pad (Unit: mm/mil)



单击下面可查看定价，库存，交付和生命周期等信息

[>>LRC\(乐山无线电\)](#)