

## Diode Rectifier Bridge Single 800V 35A 4-Pin(4+Tab) Case GBJ Box



Images are for reference only

**Manufacturer:** [Micro Commercial Components](#)

**Package/Case:** 16

**Product Type:** Thyristors

**Lifecycle:** Active

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### General Description

The GBJ3508-BP is a compact and easily mountable bridge rectifier module consisting of four diodes arranged in a bridge configuration. It enables full-wave rectification, allowing both halves of the AC waveform to be converted into a continuous DC waveform.

### Key Features

**Bridge Configuration:** The GBJ3508-BP module incorporates four diodes arranged in a bridge configuration, enabling efficient full-wave rectification.

**Voltage and Current Rating:** The module has a voltage rating of approximately 350 volts, indicating its ability to handle input voltages up to that level. It also has a current rating of around 8 amperes, indicating its maximum current-carrying capacity.

**High Conversion Efficiency:** Bridge rectifier modules are designed to have high conversion efficiency, ensuring minimal power losses during the rectification process.

**Compact Design:** The GBJ3508-BP module is designed to be compact and suitable for through-hole or surface-mount applications, allowing for easy integration into electronic circuits.

### Application

**Power Supplies:** It is commonly used in AC-to-DC power supply circuits, where it converts the AC voltage from the mains into a continuous DC voltage for powering electronic devices.

**Battery Chargers:** Bridge rectifier modules are employed in rectifier circuits for charging batteries, converting AC power to the appropriate DC charging voltage.

**Motor Drives:** They can be utilized in motor drive circuits to rectify the AC voltage and provide DC power for controlling and driving electric motors.

**Welding Machines:** Bridge rectifiers are used in welding machines, where they convert the AC input voltage to the required DC welding current.

**Industrial Automation:** They find applications in various industrial automation systems that require rectified DC power for their operation.

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