

## G10XB05H THRU G10XB100H

## SINGLE PHASE

## GLASS PASSIVATED BRIDGE RECTIFIER

**Voltage: 50 to 1000V**

**Current: 10.0A**



## Features

Glass passivated chip junction

Ideal for printed circuit board

High Ifsm

High surge current capability

High case dielectric strength

This series is UL listed under Recognized Component Index, file number E330278

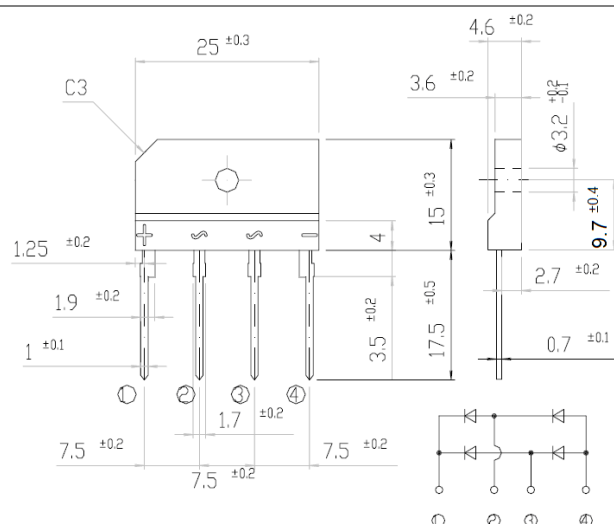
## Mechanical Data

Terminal: Plated leads solderable per MIL-STD 750,  
Method 2026

Case: UL-94 Class V-0 recognized Flame Retardant Epoxy

Polarity: Polarity symbol marked on body

Mounting position: any

**GSIB-3S**

Dimensions in millimeters

## MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

(single-phase, half -wave, 60Hz, resistive or inductive load rating at 25°C, unless otherwise stated)

[illegible]

**Note:**

1. junction to case, with heatsink
2. junction to ambient, without heatsink
3. Recommended mounting position is to bolt down on heatsink with silicone thermal compound for maximum heat transfer with #6 screw

## RATINGS AND CHARACTERISTIC CURVES G10XB05H THRU G10XB100H

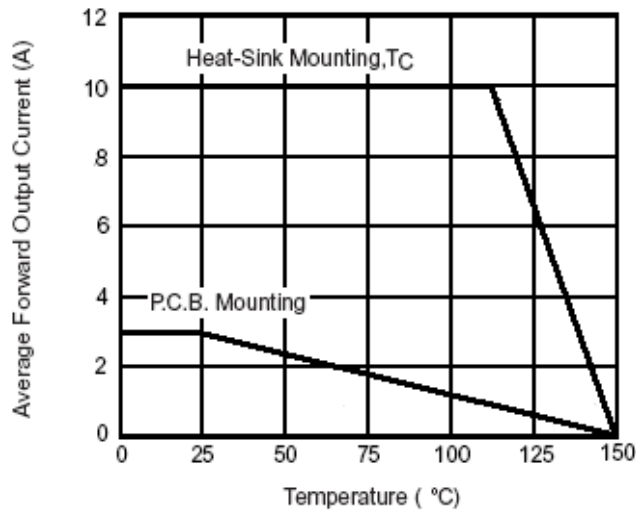


Figure 1. Derating Curve Output Rectified Current

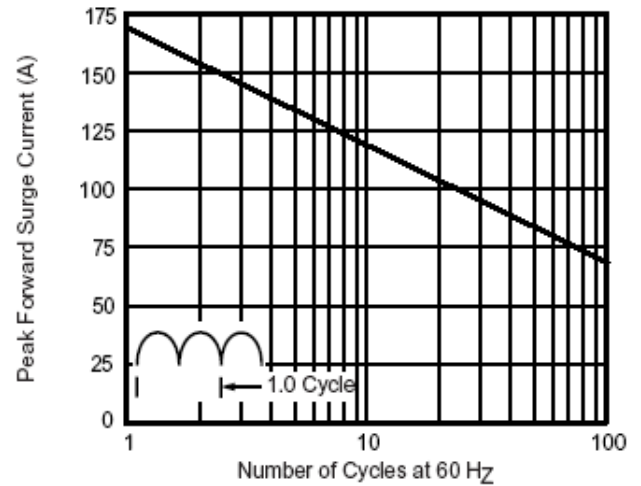


Figure 2. Maximum Non-Repetitive Peak Forward Surge Current Per Leg

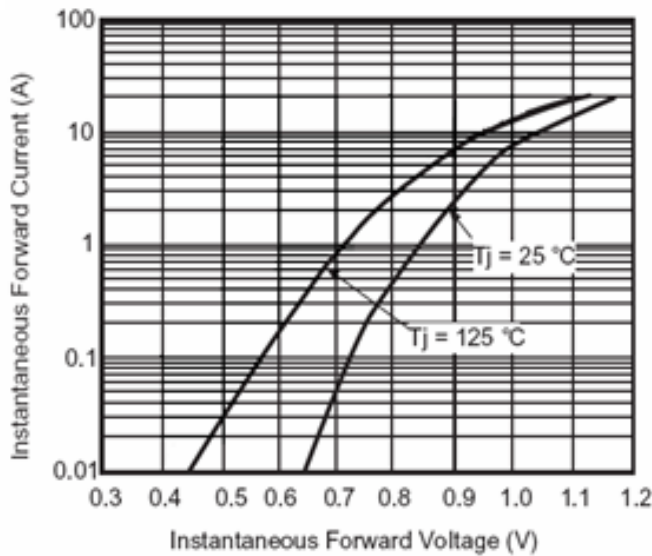


Figure 3. Typical Forward Characteristics Per Leg

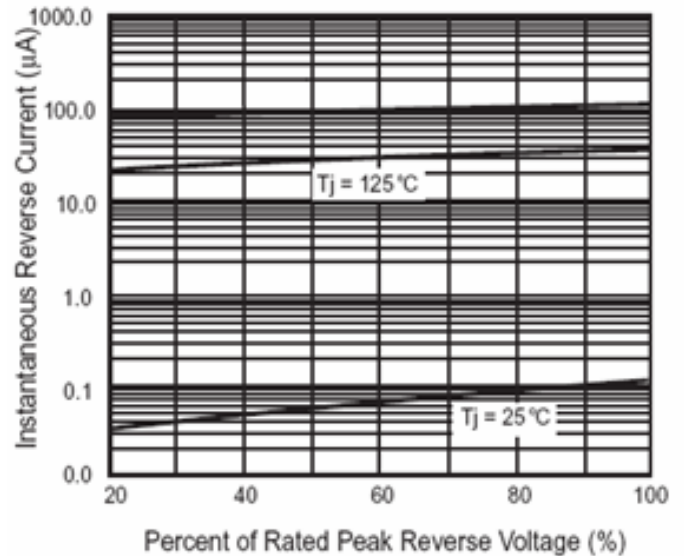


Figure 4. Typical Reverse Characteristics Per Leg

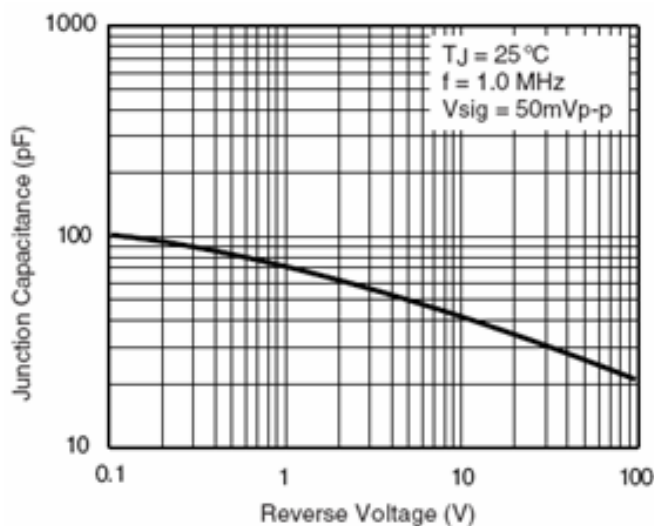


Figure 5. Typical Junction Capacitance Per Leg

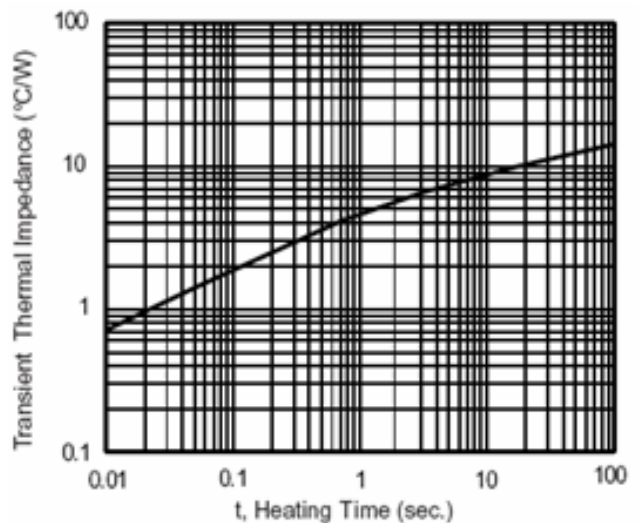


Figure 6. Typical Transient Thermal Impedance