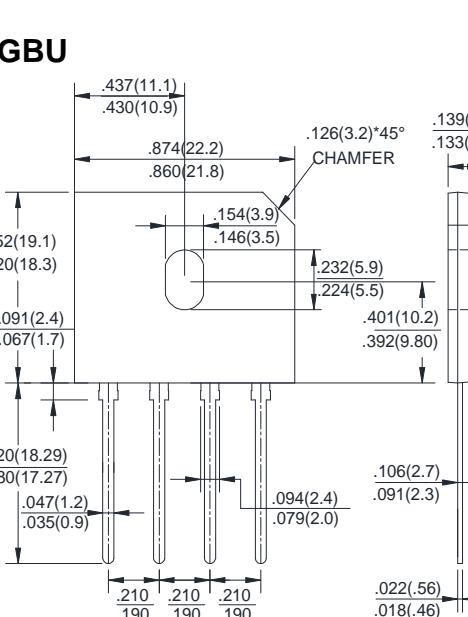


Glass Passivated Bridge Rectifiers	Reverse Voltage - 50 to 1000 Volts Forward Current - 10 Amperes
<p><b>Features</b></p> <ul style="list-style-type: none"> <li>• Glass passivated chip</li> <li>• Low forward voltage drop</li> <li>• Ideal for printed circuit board</li> <li>• High surge current capability</li> <li>• Meet UL flammability classification 94V-0</li> </ul> <p><b>Mechanical Data</b></p> <ul style="list-style-type: none"> <li>• Polarity: Symbol marked on body</li> <li>• Mounting position: Any</li> </ul> <p><b>Applications</b></p> <ul style="list-style-type: none"> <li>• General purpose use in AC/DC bridge full wave rectification, for SMPS, lighting ballaster, adapter, etc.</li> </ul>	 <p><b>GBU</b></p> <p><b>No Pb</b></p> <p><b>RoHS COMPLIANT</b></p> <p>Package Outline Dimensions in Inches (Millimeters)</p>

#### **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%.

Notes: 1. Measured at 1.0 MHz and applied reverse voltage of 4.0V DC.

2. Device mounted on 100mm\*100mm\*1.6mm Cu plate heatsink.

3. The typical data above is for reference only

# Rating and Characteristic Curves

## GBU10005 THRU GBU1010



Fig. 1 - Forward Current Derating Curve

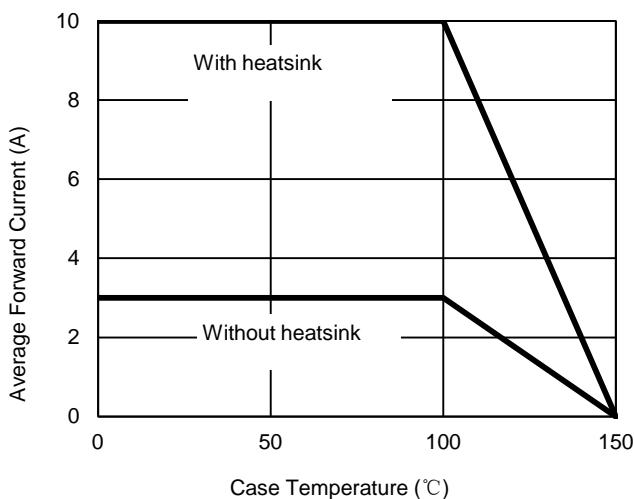


Fig. 2 - Maximum Non-Repetitive Surge Current

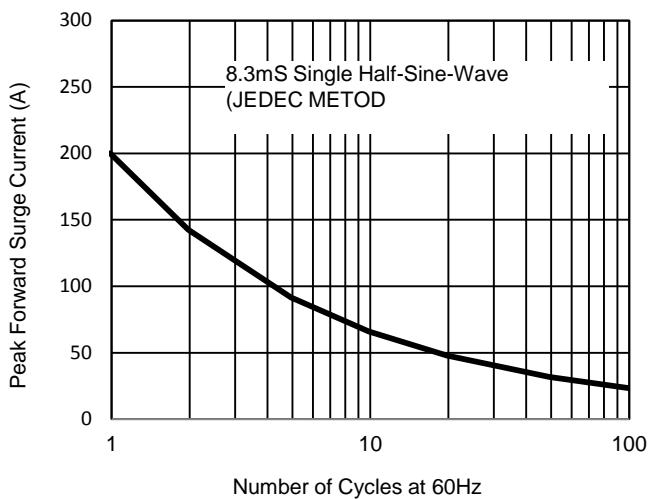


Fig. 3 - Typical Reverse Characteristics

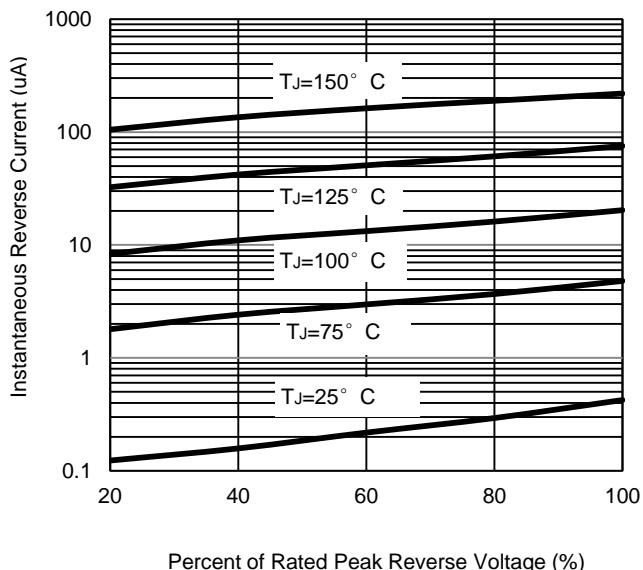


Fig. 4 - Typical Forward Characteristics

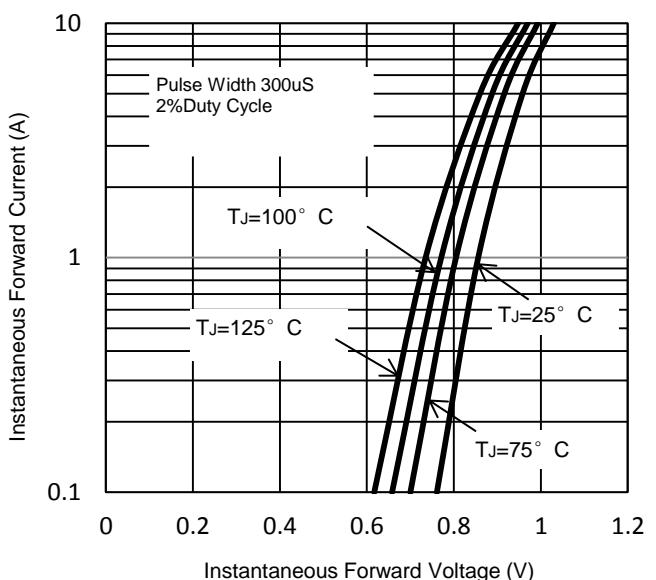
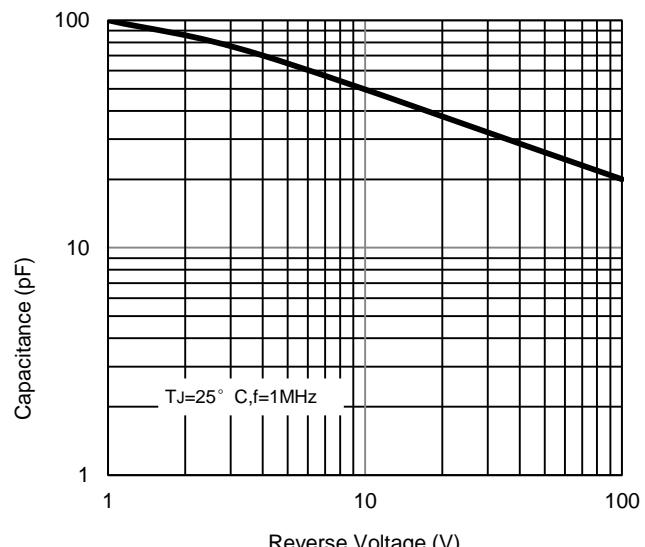


Fig. 5 - Typical Junction Capacitance



The curve above is for reference only.