

■ **Features**

- Glass passivated chip
- Low reverse leakage current
- High surge current capability
- Reliable low cost construction utilizing molded plastic technique

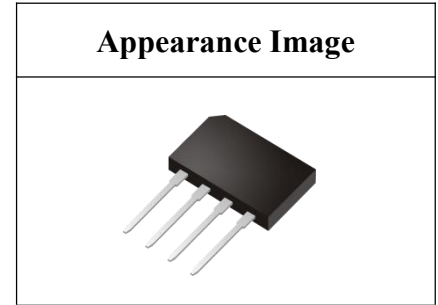
<b>Reverse Voltage</b> 50-1000 V
<b>Forward Current</b> 2.0 A max

■ **Applications**

- General purpose use in AC/DC bridge full wave rectification

■ **Mechanical Data**

- Case: GBL
- Polarity symbols being marked on body
- Molding compound meets UL 94V-0 flammability rating
- RoHS-compliant, Solder plated, solderable per MIL-STD-750, Method 2026



■ **Marking**

- GBL2xx(005~10)

■ **Maximum Ratings @ Ta = 25°C unless otherwise noted**

PARAMETER	SYMBOL	UNIT	GBL2005	GBL201	GBL202	GBL204	GBL206	GBL208	GBL210
Repetitive peak reverse voltage	V <sub>RRM</sub>	V	50	100	200	400	600	800	1000
Maximum RMS voltage	V <sub>RMS</sub>	V	35	70	140	280	420	560	700
Maximum DC blocking Voltage	V <sub>DC</sub>	V	50	100	200	400	600	800	1000
Maximum average output current@60Hz sine wave, resistance load	I <sub>F(AV)</sub>	A	2.0						
Peak forward surge current 8.3 ms single half sine wave superimposed on rated load	I <sub>FSM</sub>	A	80						
Peak forward surge current 1.0 ms single half sine wave superimposed on rated load		A	160						
Current squared time @1ms≤t<8.3ms Tj=25°C, Rating of per diode	I <sup>2</sup> t	A <sup>2</sup> S	26.56						
Storage temperature	T <sub>stg</sub>	°C	-55~+150						
Junction temperature	T <sub>j</sub>	°C	-55~+150						

■ **Electrical Characteristics @ Ta = 25°C unless otherwise noted**

PARAMETER	TEST CONDITIONS	SYMBOL	UNIT	GBL2005	GBL201	GBL202	GBL204	GBL206	GBL208	GBL210
Maximum instantaneous forward voltage	I <sub>F</sub> =1.0A	V <sub>F</sub>	V	1.0						
Maximum DC reverse current at rated DC blocking voltage	V <sub>R</sub> =V <sub>DC</sub> , T <sub>j</sub> =25°C	I <sub>R</sub>	μA	5						
	V <sub>R</sub> =V <sub>DC</sub> , T <sub>j</sub> =100°C	I <sub>R</sub>		500						

■ **Characteristic Curve (Typical)**

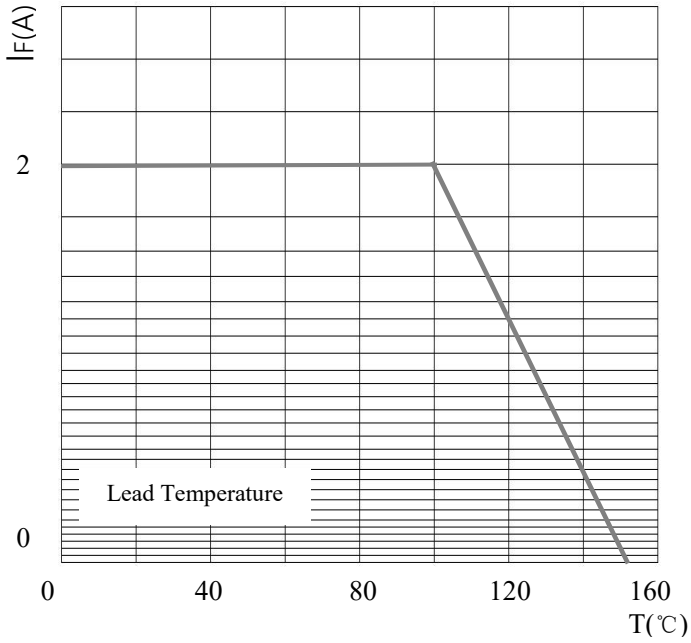


FIG1. Derating Curve For Output Rectified Current

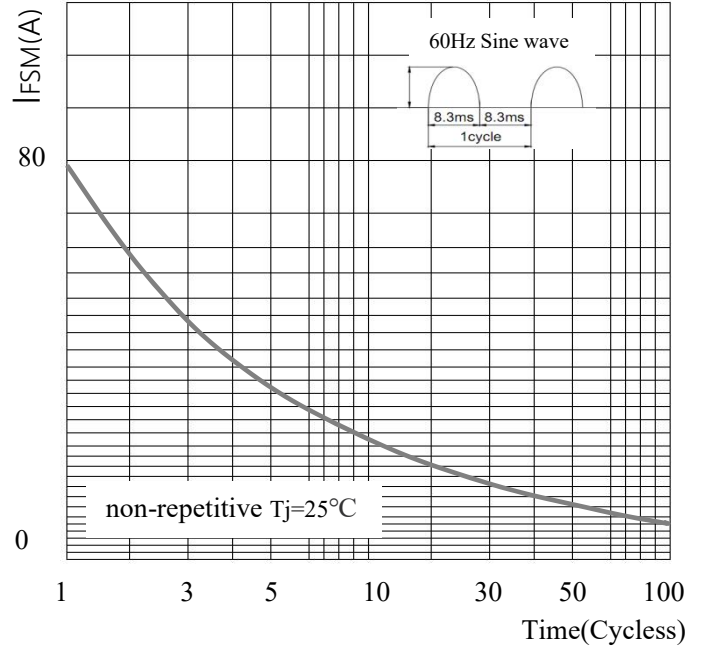


FIG2. Surge Forward Current Capability

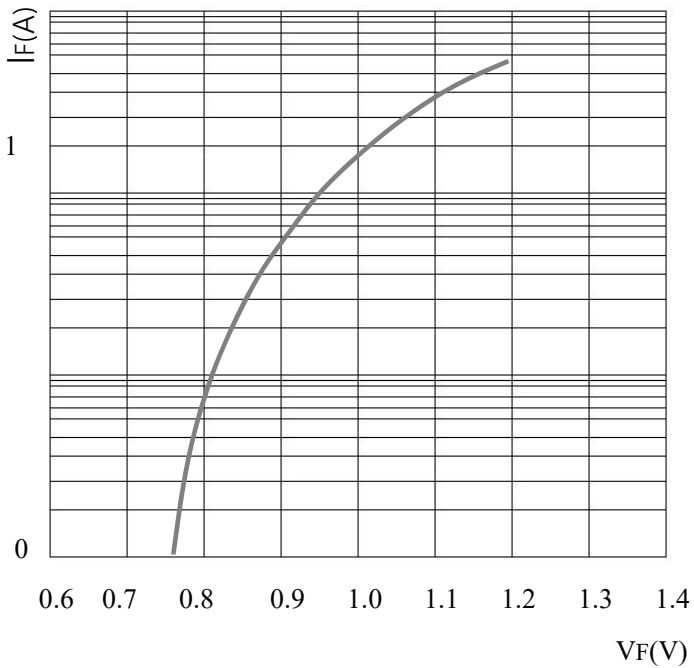


FIG3. Typical Forward Characteristics

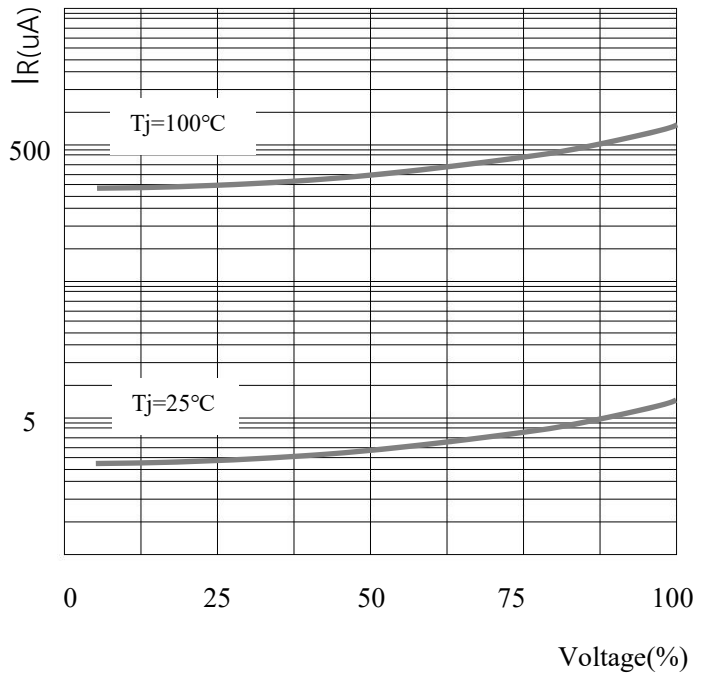
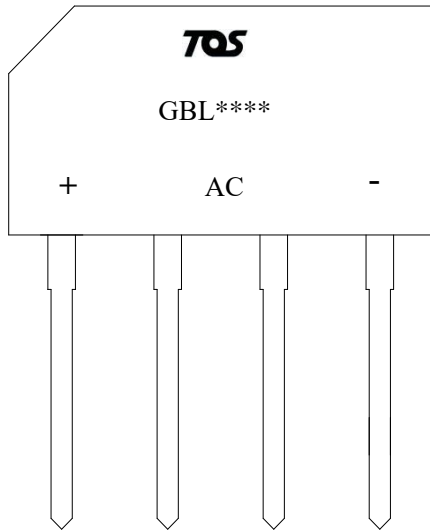


FIG4. Typical Reverse Characteristics

■ **Marking and packet information**

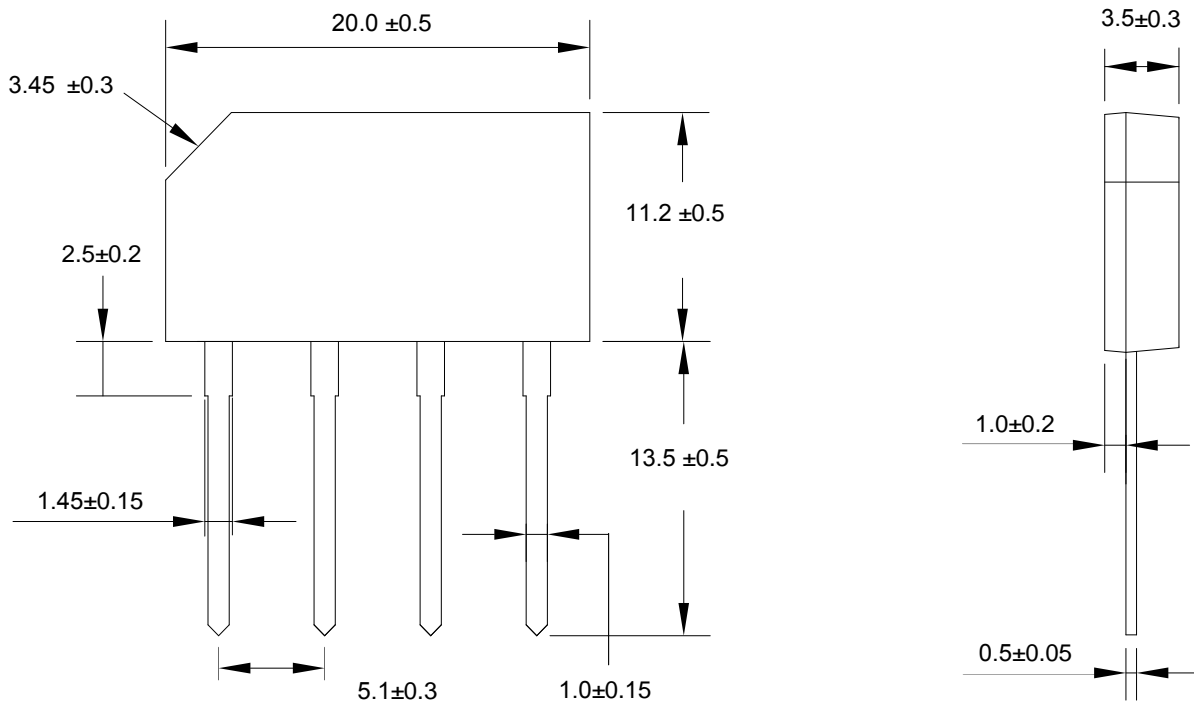


GBL\*\*\*\* : Marking Model

**TOS** : Brand Logo

Packaging information	
每盒	500PCS
每箱	5000PCS
脚长定制	支持

■ **GBL Package outline dimensions**



Dimensions in millimeters

■ **Notice**

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