

■ **Features**

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

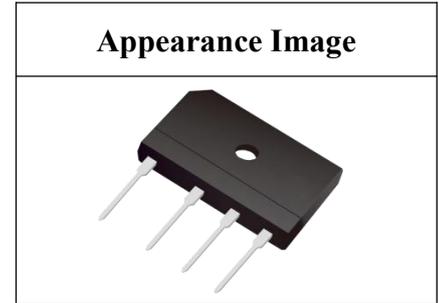
Reverse Voltage 50-1000 V
Forward Current 35.0 A max

■ **Applications**

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

■ **Mechanical Data**

- Case: 6GBJ
- 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**

- KBJ35xx(005~10)

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

PARAMETER	SYMBOL	UNIT	KBJ35005	KBJ3501	KBJ3502	KBJ3504	KBJ3506	KBJ3508	KBJ3510
Repetitive peak reverse voltage	V _{RRM}	V	50	100	200	400	600	800	1000
Maximum RMS voltage	V _{RMS}	V	35	70	140	280	420	560	700
Maximum DC blocking Voltage	V _{DC}	V	50	100	200	400	600	800	1000
Maximum average output current@60Hz sine wave, resistance load	I _{F(AV)}	A	35.0						
Peak forward surge current 8.3 ms single half sine wave superimposed on rated load	I _{FSM}	A	400						
Peak forward surge current 1.0 ms single half sine wave superimposed on rated load		A	800						
Current squared time @1ms≤t<8.3ms Tj=25°C, Rating of per diode	I ² t	A ² S	664.00						
Storage temperature	T _{stg}	°C	-55~+150						
Junction temperature	T _j	°C	-55~+150						

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

PARAMETER	TEST CONDITIONS	SYMBOL	UNIT	KBJ35005	KBJ3501	KBJ3502	KBJ3504	KBJ3506	KBJ3508	KBJ3510
Maximum instantaneous forward voltage	I _F =17.5A	V _F	V	1.0						
Maximum DC reverse current at rated DC blocking voltage	V _R =V _{DC} , T _j =25°C	I _R	μA	10						
	V _R =V _{DC} , T _j =100°C	I _R		500						

■ **Characteristic Curve (Typical)**

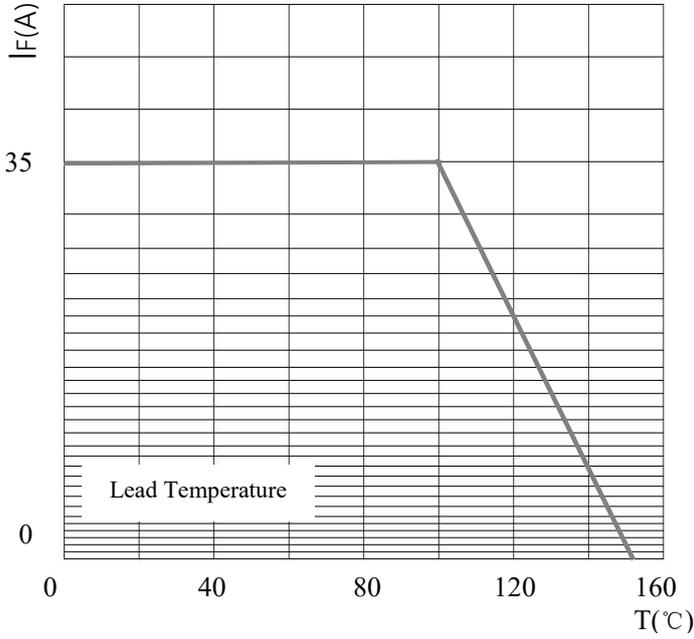


FIG1. Derating Curve For Output Rectified Current

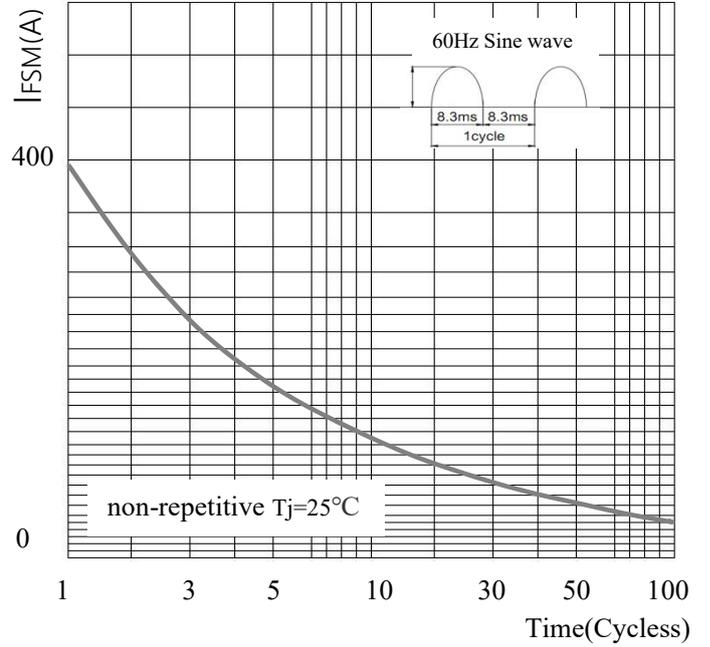


FIG2. Surge Forward Current Capability

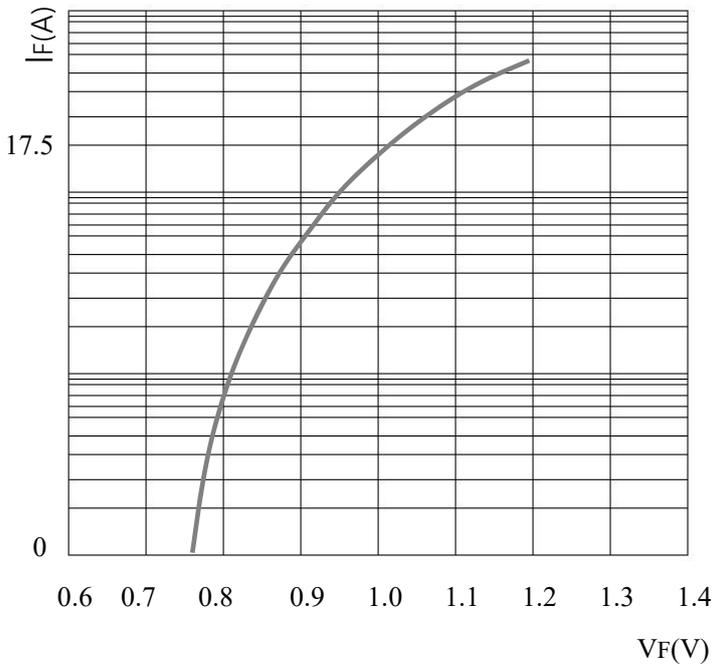


FIG3. Typical Forward Characteristics

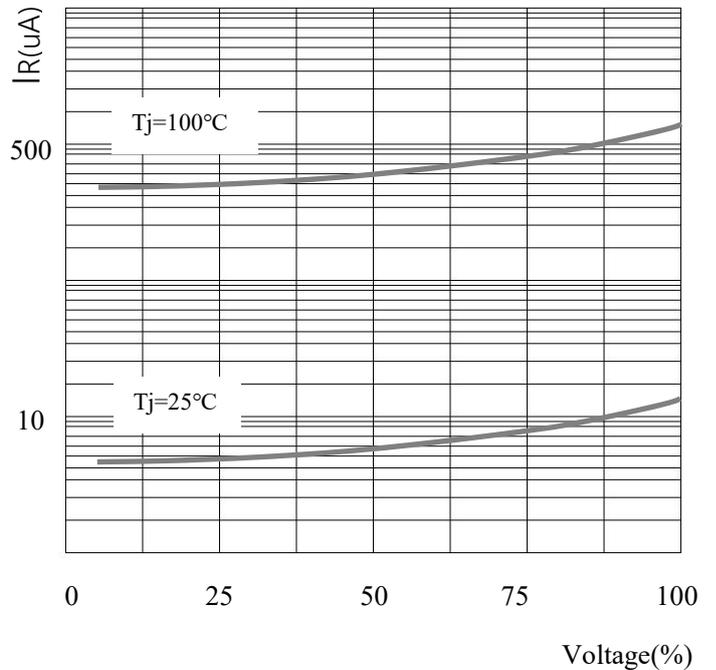
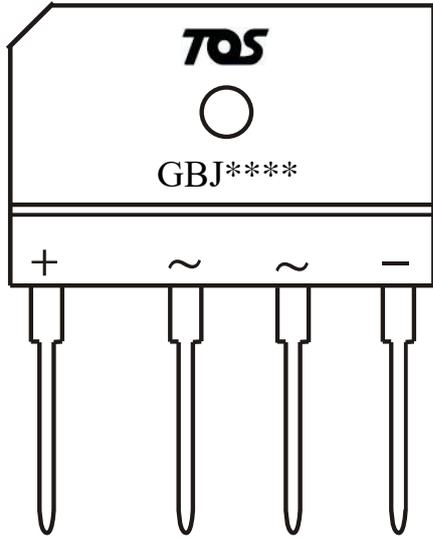


FIG4. Typical Reverse Characteristics

■ **Marking and packet information**

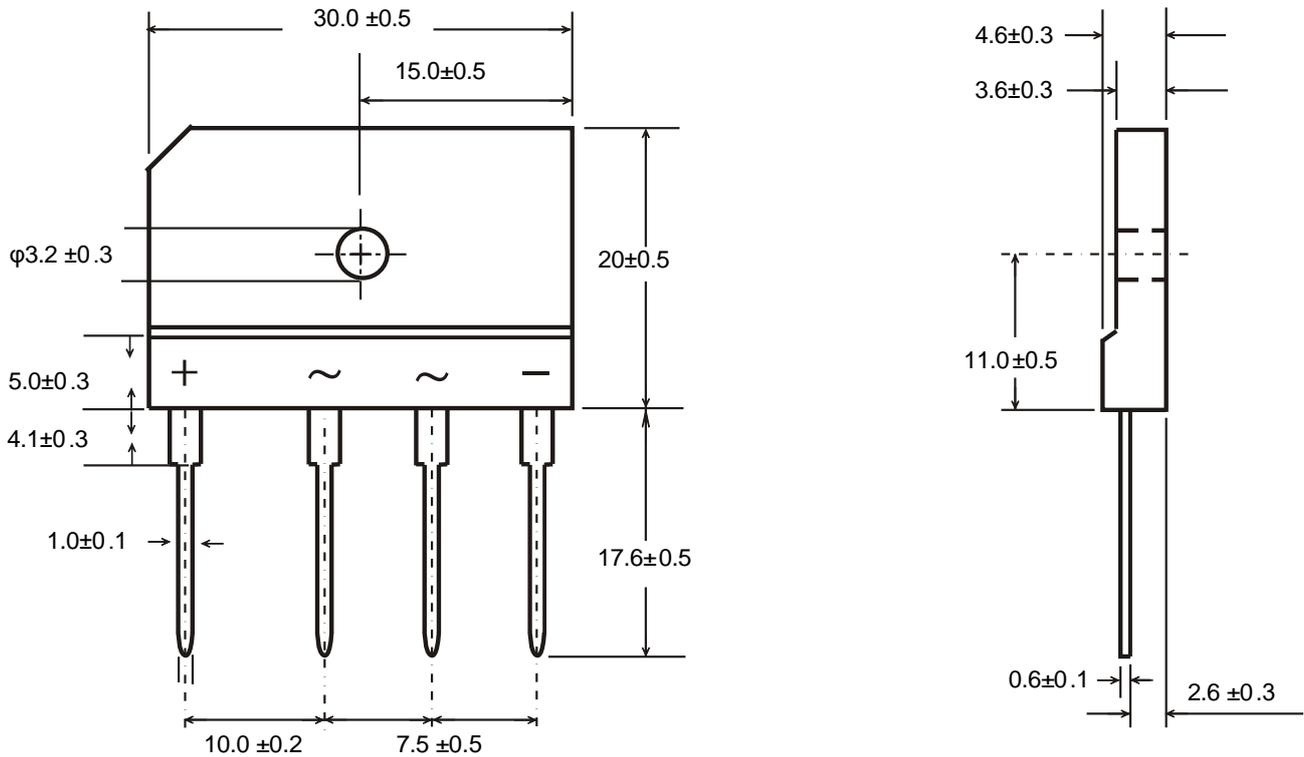


GBJ**** : Marking Model

TOS : Brand Logo

Packaging information	
每盒	250PCS
每箱	2000PCS
脚长定制	支持

■ **6GBJ Package outline dimensions**



Dimensions in millimeters

■ **Notice**

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