

■ Features

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

■ 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



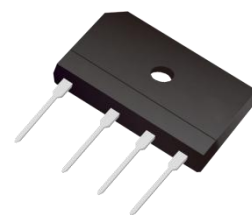
Reverse Voltage

50-1000 V

Forward Current

25.0 A max

Appearance Image



■ Marking

- GBJ2516

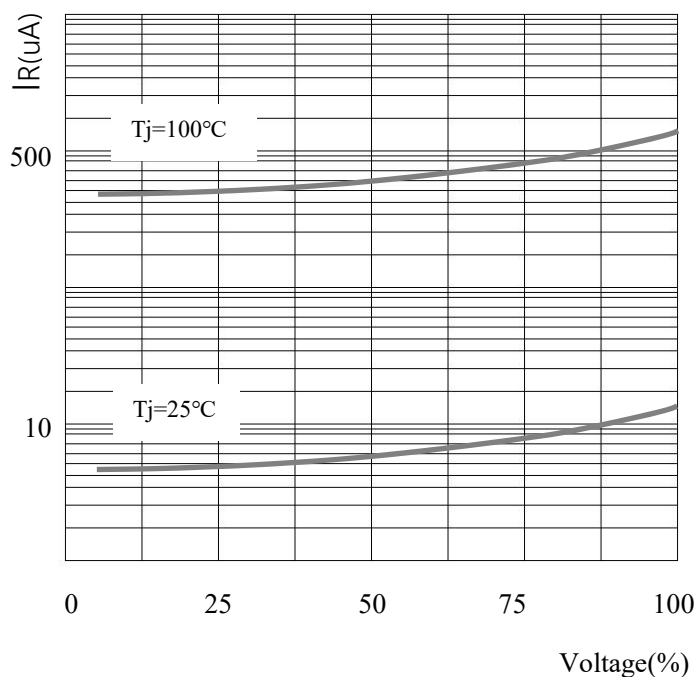
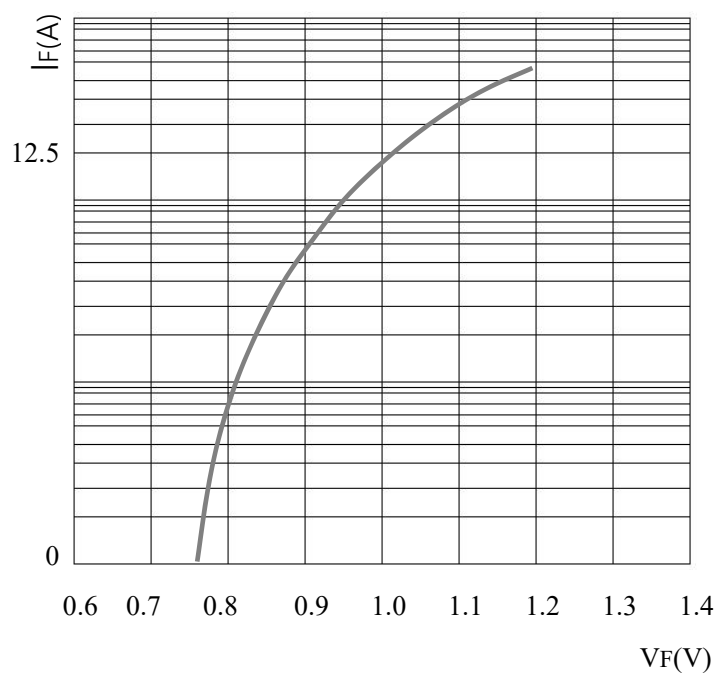
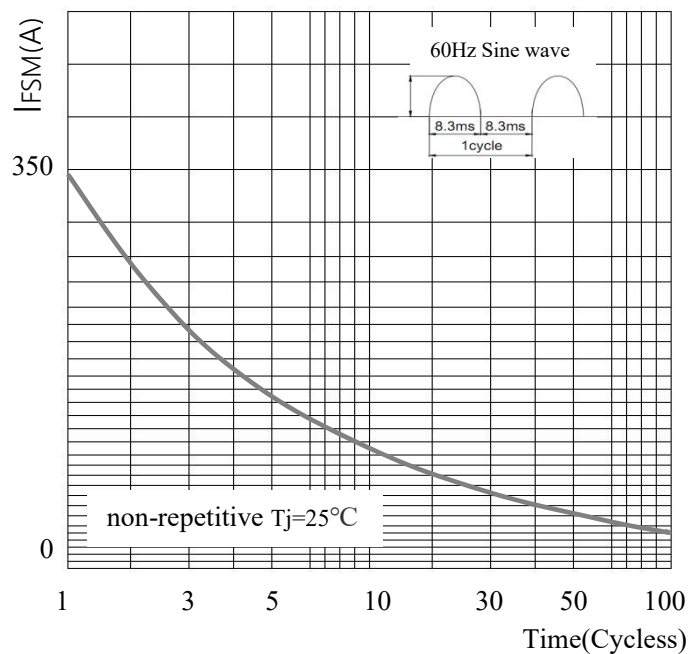
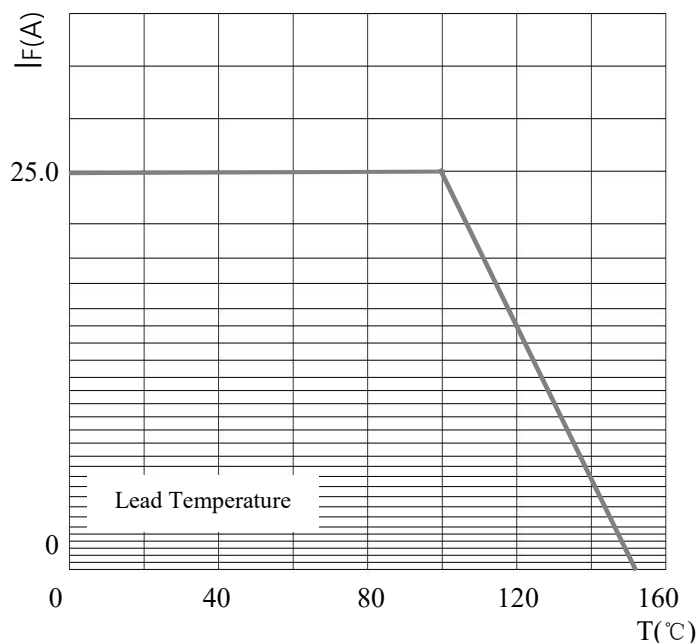
■ Maximum Ratings @ Ta = 25°C unless otherwise noted

PARAMETER	SYMBOL	UNIT	GBJ2516
Repetitive peak reverse voltage	V_{RRM}	V	1600
Maximum RMS voltage	V_{RMS}	V	1120
Maximum DC blocking Voltage	V_{DC}	V	1600
Maximum average output current@60Hz sine wave, resistance load	$I_{F(AV)}$	A	25.0
Peak forward surge current 8.3 ms single half sine wave superimposed on rated load	I_{FSM}	A	350
Peak forward surge current 1.0 ms single half sine wave superimposed on rated load		A	700
Current squared time @1ms≤t<8.3ms Tj=25°C, Rating of per diode	I^2t	A²S	508.38
Storage temperature	T_{stg}	°C	-55~+150
Junction temperature	T_j	°C	-55~+150

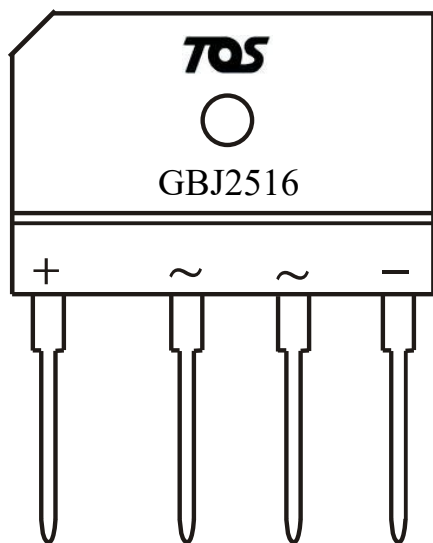
■ Electrical Characteristics @ Ta = 25°C unless otherwise noted

PARAMETER	TEST CONDITIONS	SYMBOL	UNIT	GBJ2516
Maximum instantaneous forward voltage	$I_F=12.5A$	V_F	V	1.0
Maximum DC reverse current at rated DC blocking voltage	$V_R=V_{DC}$, Tj=25°C	I_R	μA	10
	$V_R=V_{DC}$, Tj=100°C	I_R		500

■ Characteristic Curve (Typical)



■ Marking and packet information

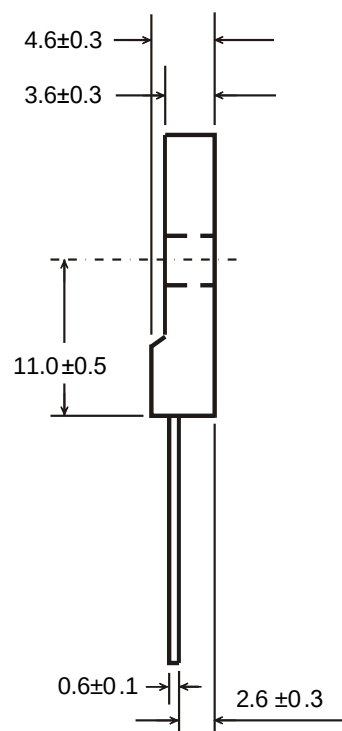
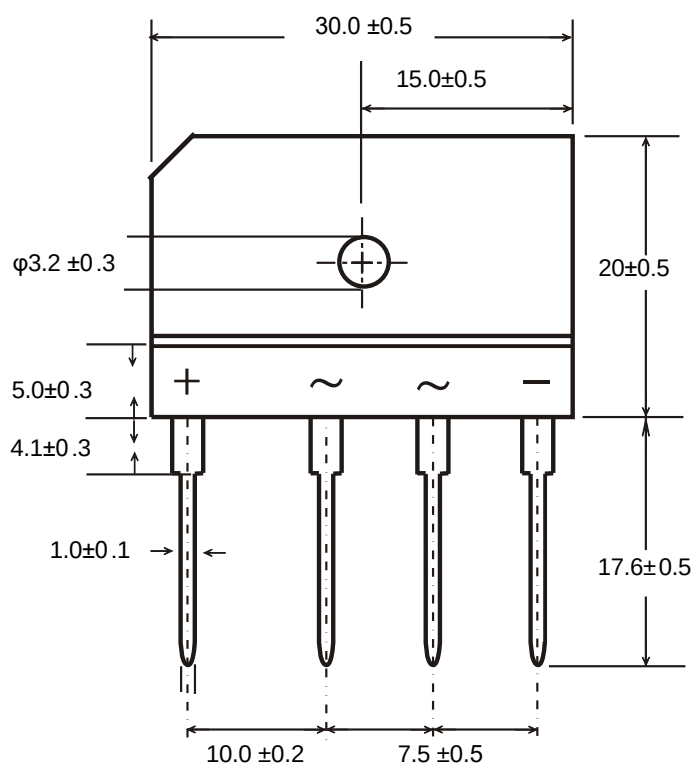


GBJ2516 : Marking Model

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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