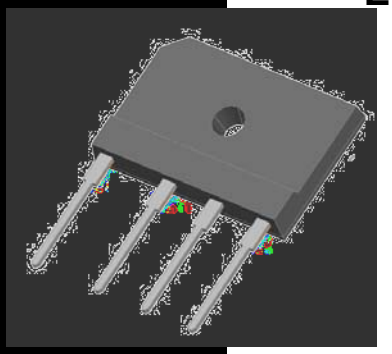
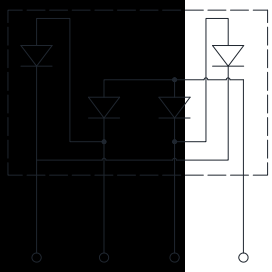
GBJL2508A

RoHS
COMPLIANT

Low VF Bridge Rectifiers





Features

- UL recognition, file #E230084
- Glass passivated chip junction
- Thin single in-line package
- High surge current capability
- Solder dip 275 °C max. 7 s, per JESD 22-B106

Typical Applications

General purpose use in AC/DC bridge full wave rectification for switching power supply, home appliances, office equipment, industrial automation applications.

Mechanical Data

- **Package**: 6KBJ
  Molding compound meets UL 94 V-0 flammability rating, RoHS-compliant
- **Terminals**: Tin plated leads, solderable per J-STD-002 and JESD22-B102
- **Polarity:** As marked on body

=25 Unless otherwise specified

ER	SYMBOL	UNIT	GBJL2508A
			GBJL2508A
Voltage	V_{RRM}	V	800
	V_{RMS}	V	560
	V_{DC}	V	800
With heatsink T_C =104	I_O	A	25.0
Without heatsink T_a =25			3.5

stics T_a=25 Unless otherwise specified

PARAMETER	SYMBOL	UNIT	TEST CONDITIONS	GBJL2508A
	V_F	V	I_{FM}=12.5A	0.92
ated	I_R	μA	T_j =25	5
			T_j =125	200
	Cj	pF	Measured at 1MHz and Applied Reverse Voltage of 4.0 V.D.C	275

■Thermal Characteristics T_a=25 Unless otherwise specified

PARAMETER		SYMBOL	UNIT	GBJL2508A
Typical Thermal Resistance	Between junction and ambient, Without heatsink	$R_{\theta J-A}$	/W	18.0
	Between junction and case, With heatsink	$R_{\theta J-C}$		1.0

Note: Device mounted on 75mm x 45mm x 5.5mm Aluminum Plate Heatsink.

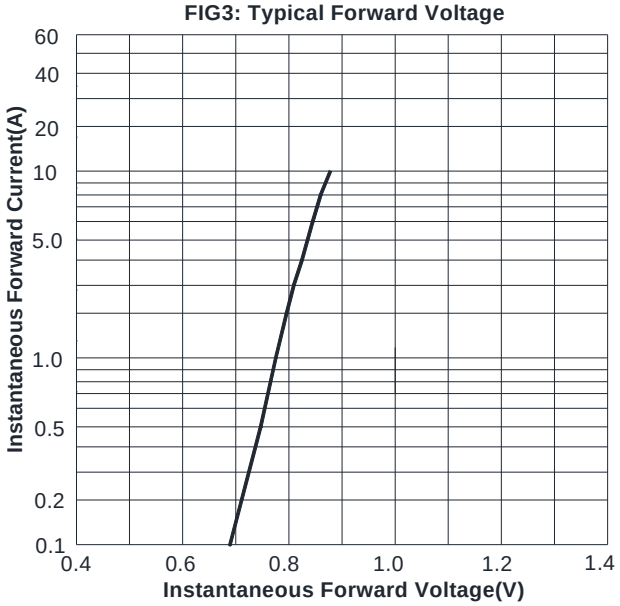
■Ordering Information (Example)

PREFERED P/N	PACKING CODE	UNIT WEIGHT(g)	MINIIMUM PACKAGE(pcs)	INNER BOX QUANTITY(pcs)	OUTER CARTON QUANTITY(pcs)	DELIVERY MODE
GBJL2508A	B1	Approximate 6.5	15	750	1500	TUBE

■ Characteristics(Typical)

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FIG3: Typical Forward Voltage



■ Outline Dimensions

6KBJ		
Dim	Min	Max
A	29.7	30.3
B	19.7	20.3
C	17.0	18.0
D	M	38

Disclaimer

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