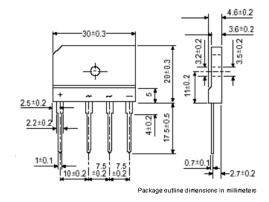
GBJ25A THRU GBJ25M

GLASS PASSIVATED SINGLE PHASE BRIDGE RECTIFIERS Reverse Voltage - 50 to 1000 V Forward Current - 25 A

Features

- Thin Single In-Line package
- Ideal for printed circuit boards
- Glass passivated chip junction
- Plastic package has Underwriters Laboratory Flammability Classification 94V-0



Mechanical Data

- Case: GBJ
- Terminals: Plated leads solderable per MIL-STD-750 Method 2026
- Polarity: As marked on body

Maximum Ratings and Electrical Characteristics

Ratings at 25 °C ambient temperature unless otherwise specified.

Parameter	Symbols	GBJ25A	GBJ25B	GBJ25D	GBJ25G	GBJ25J	GBJ25K	GBJ25M	Units
Maximum Repetitive Peak Reverse Voltage	V _{RRM}	50	100	200	400	600	800	1000	V
Maximum RMS Voltage	V _{RMS}	35	70	140	280	420	560	700	V
Maximum DC Blocking Voltage	V _{DC}	50	100	200	400	600	800	1000	V
Maximum Average Forward Rectified Output Curre at T _c = 98 $^{\circ}$ C	nt I _{F(AV)}	25						А	
Peak Forward Surge Current, 8.3 ms Single Half S Wave Superimposed on Rated Load (JEDEC Mether	ESM	350						А	
Maximum Forward Voltage per Leg at 12.5 A	VF	1							V
Maximum DC Reverse Current $T_A = 25 ^{\circ}C$ at Rated DC Blocking Voltage $T_A = 125 ^{\circ}C$	I _R	5 250							μA
Operating Junction and Storage Temperature Ran	ge T _j , T _{stg}	- 55 to + 150							°C







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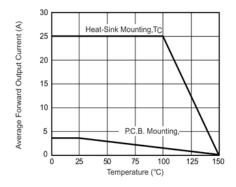


Figure 1. Derating Curve Output Rectified Current

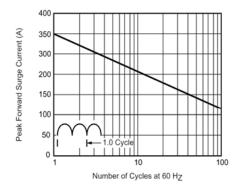
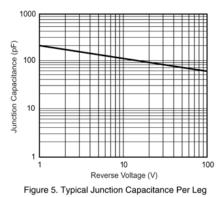


Figure 2. Maximum Non-Repetitive Peak Forward Surge Current Per Leg



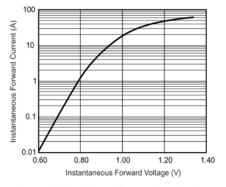


Figure 3. Typical Forward Characteristics Per Leg

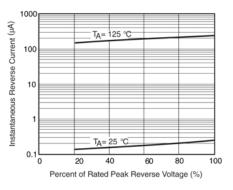


Figure 4. Typical Reverse Characteristics Per Leg

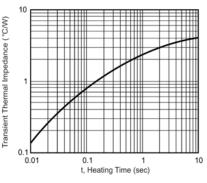


Figure 6. Typical Transient Thermal Impedance





