



گروه فنی مهندسی جوش و برش مقدم

اعتماد از شما کیفیت و تخصص از ما



09153223758



051-37581400



<https://www.moghadamwelding>



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مشهد خیام شمالی 63 خیابان پردیس 3

برای کسب اطلاعات بیشتر بر روی لینک ها کلیک کنید

• 7 سال سابقه آموزش تعمیرات تخصصی دستگاه های

جوش اینورتری تک فاز و 3 فاز

• 7 سال سابقه فروش قطعات الکترونیکی دستگاه جوش

تک فاز و 3 فاز

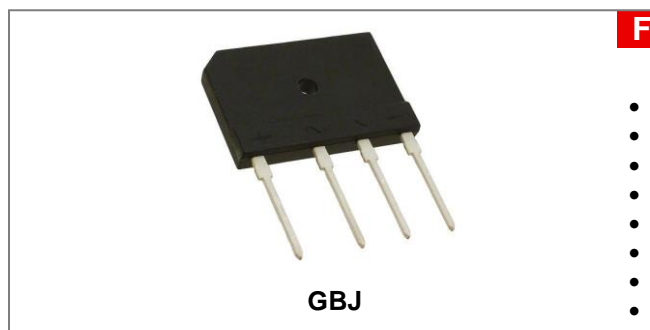
• آموزش تخصصی تحلیل دستگاه های جوش اینورتری

مختص ابراز فروشان

• آموزش تخصصی ابراز آلات شارژی

GBJ25005-GBJ2510

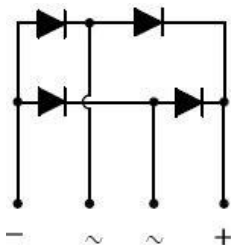
Single-Phase 25.0A Glass Passivated Bridge Rectifier



Features

- Glass passivated die construction
- Low forward voltage drop
- High current capability
- High surge current capability
- Plastic material-UL flammability 94V-0
- This is a Pb – Free Device
- All SMC parts are traceable to the wafer lot
- Additional testing can be offered upon request

Circuit Diagram



Mechanical Data

- Case: GBJ, Molded plastic
- Terminals: Plated leads solderable per MIL-STD-202, Method 208
- Polarity: as marked on case
- Mounting Position: Any
- Lead Free: For RoHS / Lead Free Version

Maximum Ratings @T_A=25°C unless otherwise specified

Type Number	Symbol	GBJ 25005	GBJ 2501	GBJ 2502	GBJ 2504	GBJ 2506	GBJ 2508	GBJ 2510	Units
Peak Repetitive Reverse Voltage Working Peak Reverse Voltage DC Blocking Voltage	V _{RRM} V _{RWM} V _{DC}	50	100	200	400	600	800	1000	V
RMS Reverse Voltage	V _{RMS}	35	70	140	280	420	560	700	V
Average forward rectified output current @T _A =100°C	I _(AV)	25.0							A
Peak Forward Surge Current, 8.3ms single half-sine-wave superimposed on rated load (JEDEC method)	I _{FSM}	300							A

Electrical Characteristics @ $T_A=25^{\circ}\text{C}$ unless otherwise specified

Type Number	Symbol	GBJ 25005	GBJ 2501	GBJ 2502	GBJ 2504	GBJ 2506	GBJ 2508	GBJ 2510	Units
Forward Voltage (per element) @ $I_F=12.5\text{A}$ @ $I_F=25\text{A}$	V_F				1.0 1.1				V
Peak Reverse Current @ $T_A=25^{\circ}\text{C}$ At Rated DC Blocking Voltage @ $T_A=125^{\circ}\text{C}$	I_{RM}				10.0 500				μA
Typical Junction Capacitance(per leg) (Note 1)	C_J				85				pF

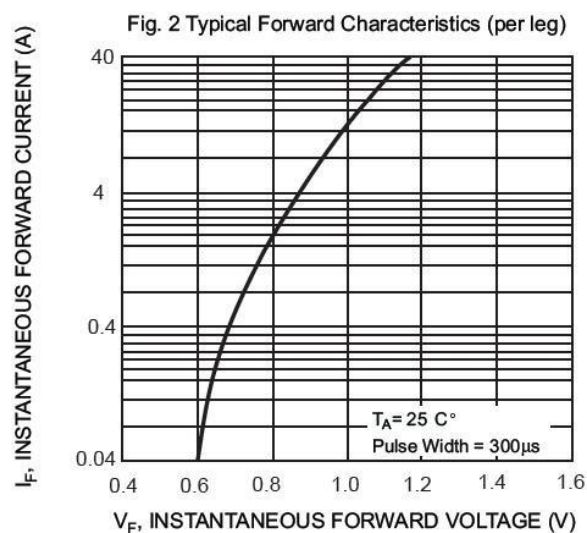
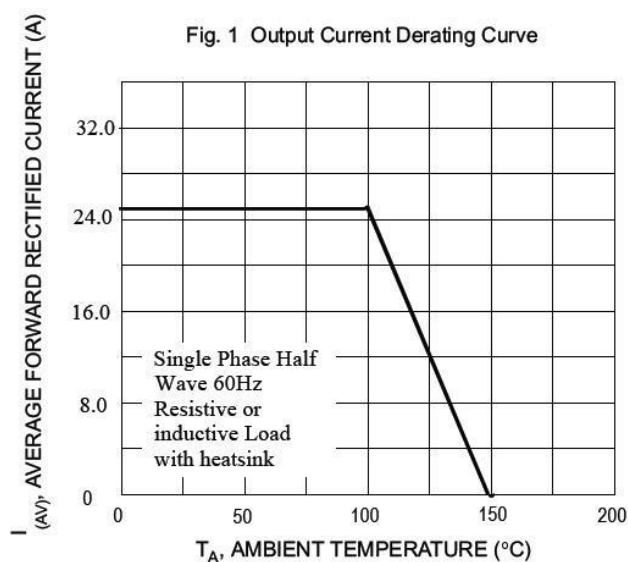
* Pulse width < 300 μs , duty cycle < 2%

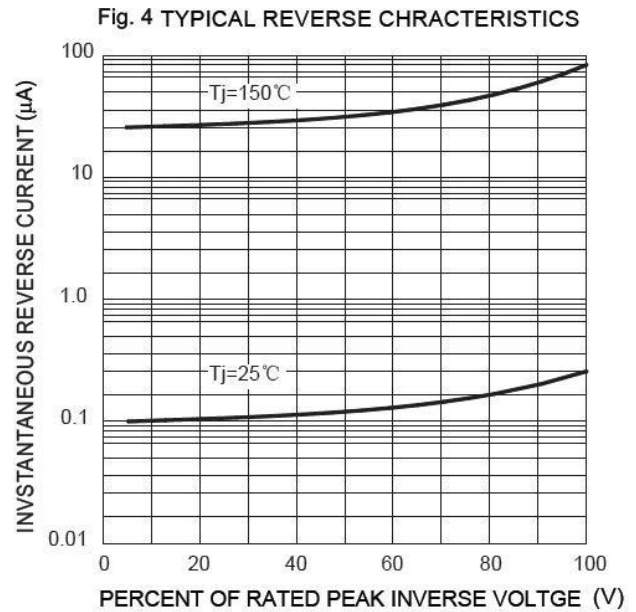
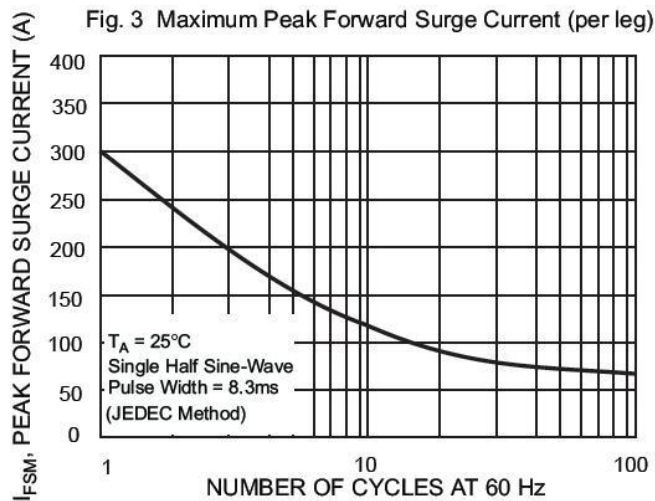
Thermal-Mechanical Specifications:

Type Number	Symbol	GBJ 25005	GBJ 2501	GBJ 2502	GBJ 2504	GBJ 2506	GBJ 2508	GBJ 2510	Units
Between Junction and Ambient, Without heatsink	$R_{\theta JA}$				22				$^{\circ}\text{C/W}$
Between Junction and Case, Without heatsink	$R_{\theta JC}$				1.0				$^{\circ}\text{C/W}$
Operating and Storage Temperature Range	T_J, T_{STG}				-55 to +150				$^{\circ}\text{C}$

Note: 1- Measured at 1 MHz and applied reverse voltage of 4.0 VDC.

Ratings and Characteristics Curves



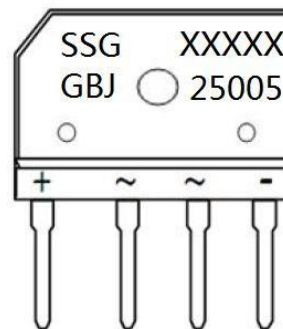


Ordering Information

Device	Package	Plating	Shipping
GBJ25005 THRU GBJ2510	GBJ(Pb-Free)	Pure Sn	15pcs / tube

For information on tape and reel specifications, including part orientation and tape sizes, please refer to our tape and reel packaging specification.

Marking Diagram

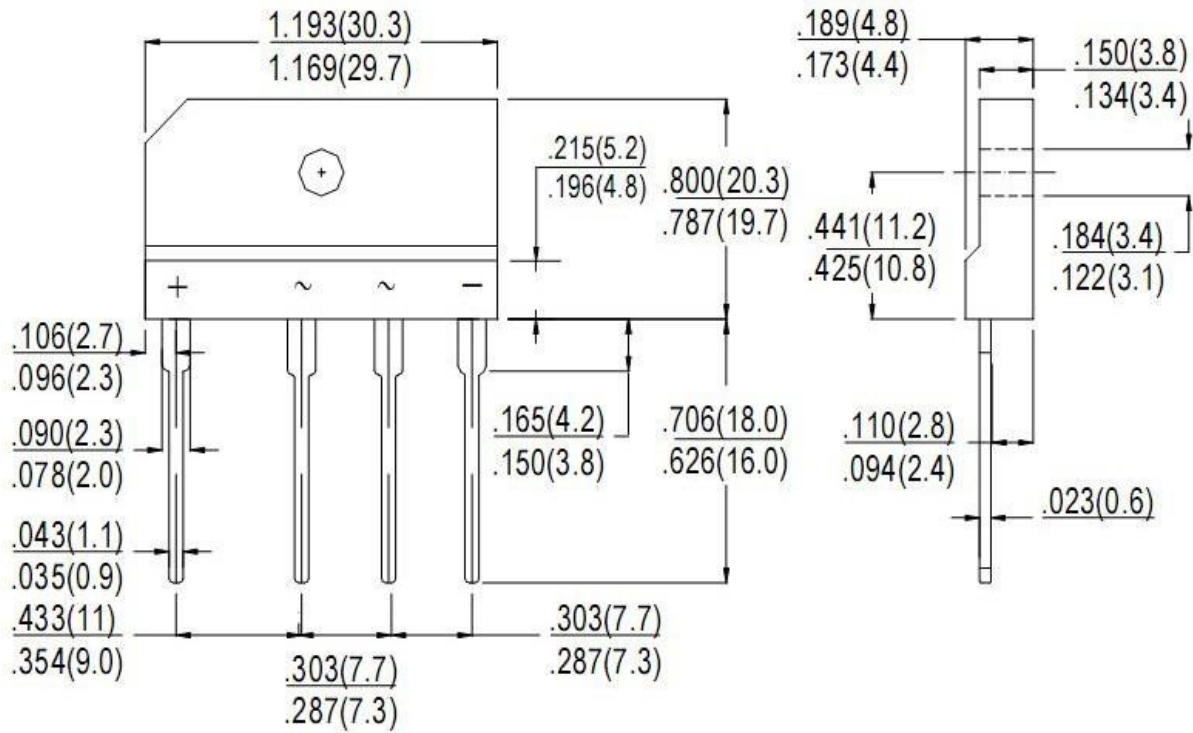


Where XXXXX is YYWWL

SSG = SSG
YY = Year
WW = Week
L = Lot Number
GBJ25005 = Type Number

Cautions: Molding resin
Epoxy resin UL:94V-0

Mechanical Dimensions GBJ (Inches/Millimeters)



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