

Low VF Bridge Rectifiers

Features

- UL recognition, file #E230084
- 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

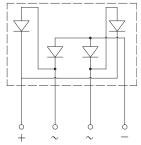
Molding compound meets UL 94 V-0 flammability rating, RoHS-compliant

• Terminals: Tin plated leads, solderable per

J-STD-002 and JESD22-B102
• Polarity: As marked on body







■Maximum Ratings (Ta=25°C Unless otherwise specified)

PARAME	TER	SYMBOL	UNIT	GBJL1506	GBJL1508		
Device marking code				GBJL1506	GBJL1508		
Repetitive peak reverse voltage		VRRM	V	600 800			
Average rectified output Current @60Hz sine wave		- Io	А	15.0			
	Without heatsink			3.2			
Surge(non-repetitive)forward current @60Hz half sine wave, 1 cycle, Tj=25°C		IFSM	Α	380			
Current squared time @1ms≤t≤8.3ms Tj=25°C, Rating of per diode		l ² t	A ² S	599			
Storage temperature		Tstg	$^{\circ}$	-55 ~+150			
Junction temperature		Tj	J	-55 ~+150			
Dielectric strength @ terminals to case, AC 1 minute		Vdis	KV	2.0			
Mounting torque @recommend torque: 5kg • cm		Tor	kg • cm	8			

■Electrical Characteristics (T_a=25°C Unless otherwise specified)

PARAMETER	SYMBOL	UNIT	TEST CONDITIONS	GBJL1506	GBJL1508			
Maximum instantaneous forward voltage drop per diode	VF	٧	IFM=7.5A	0.	92			
Maximum DC reverse current at rated DC blocking voltage per diode	IRRM	μΑ	VRM=VRRM		5			



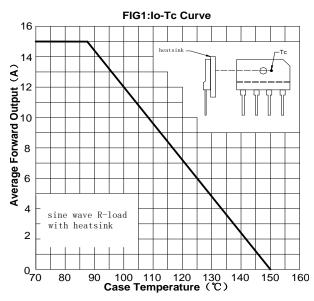
■Thermal Characteristics (T_a=25°C Unless otherwise specified)

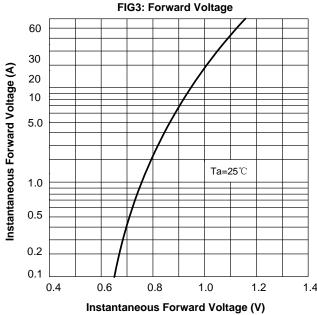
PARAMETER		SYMBOL	UNIT	GBJL1506 GBJL1508	
Thermal Resistance	Between junction and ambient, Without heatsink	RøJ-A	°€₩	22	2.0
	Between junction and case, With heatsink	R ₀ J-C		0.	8

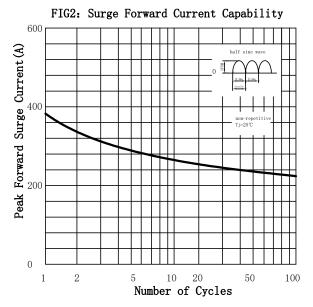
■Ordering Information (Example)

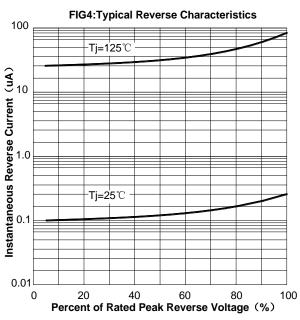
PREFERED P/N	PACKING CODE	UNIT WEIGHT(g)	MINIIMUM PACKAGE(pcs)	INNER BOX QUANTITY(pcs)	OUTER CARTON QUANTITY(pcs)	DELIVERY MODE
GBJL1506 THRU GBJL1508	B1	Approximate 6.5	15	750	1500	TUBE

■ Characteristics(Typical)





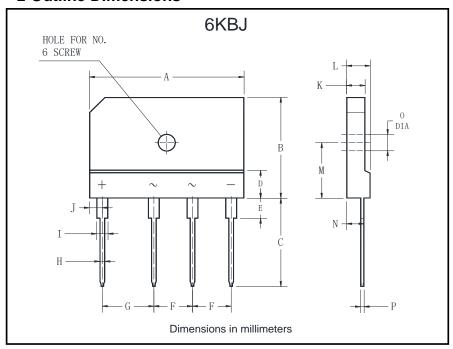






GBJL1506 - GBJL1508

■ Outline Dimensions



6KBJ						
Dim	Min	Max				
Α	29.7	30.3				
В	19.7	20.3				
С	17.0	18.0				
D	4.8	5.8				
Е	3.8	4.2				
F	7.3	7.7				
G	9.8	10.2				
Н	0.9	1.1				
I	2.0	2.4				
J	2.3	2.7				
K	3.4	3.8				
L	4.4	4.8				
М	10.8	11.2				
N	3.1	3.7				
0	3.1	3.4				
Р	0.6	0.8				

Disclaimers

These materials are intended as a reference to assist our customers in the selection of the Steifpower Technology products best suited to the customer's applications, they do not convey any license under any intellectual property rights, or any other rights, belonging to Steifpower Technology or third party. Steifpower Technology assumes no responsibility for any damage, or infringement of any third-party's rights, originating in the use of any product data, diagrams, charts, programs, algorithms, or circuit application examples contained in these materials. All information contained in these materials, including product data, diagrams, charts, programs and algorithms represents information on products at the time of publication of these materials, and are subject to change by Steifpower Technology without notice due to product improvements or other reasons.

It is therefore recommended that customers contact Steifpower Technology or unauthorized Steifpower Technology for the latest product information before purchasing a productlisted herein.

The information described here may containtechnical inaccuracies or typographicalerrors.

Steifpower Technology assumes no responsibility for any damage, liability, or other loss rising from theseinaccuracies or errors.

Please also pay attention to information published by Steifpower Technologyby various means including our website home page (http://www.steifpower.com).

When using any or all of the information contained in these materials, including product data diagrams, charts, programs, and algorithms, please be sure to evaluate all information as a total system before making a final decision on the applicability of the information and products.

Steifpower Technology assumes no responsibility for any damage, liability or other loss resulting from the information contained herein.

The prior written approval of Steifpower Technology is necessary to reprint or reproduce in whole or in part these materials.

Please contact Steifpower Technology or an authorized distributor for further details on these materials or the products contained herein.

www.steifpower.com 3/3 Rev 1.0