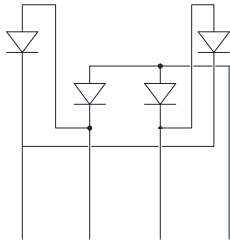


## Low VF Bridge Rectifiers

### Features

UL recognition 2 A  
 rating, RoHS-compliant With heatsink  
**Terminals:** Tin plated leads, solderable per  $T_c = 115$  IO A  
 @60Hz sine wave, R-load



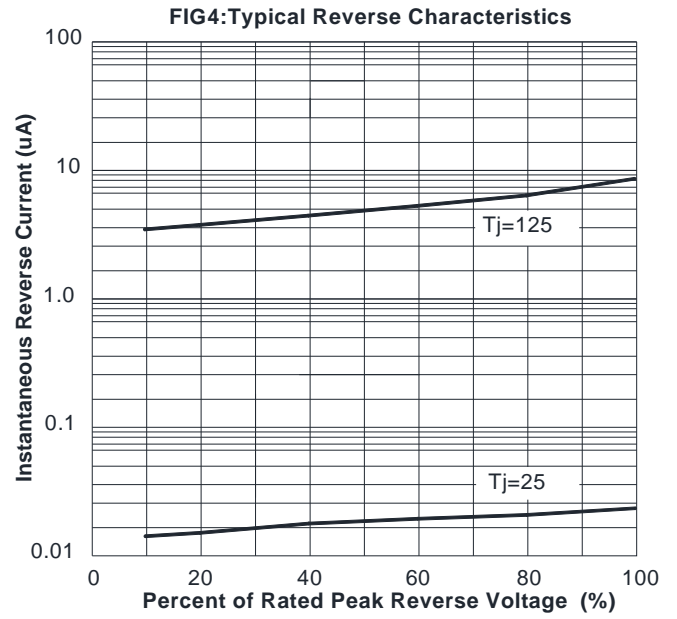
	Without heatsink $T_a = 25$			4.5
Forward Surge Current (Non-repetitive) @60Hz Half-sine wave, 1 cycle, $T_j = 25$		IFSM	A	360
Forward Surge Current (Non-repetitive) @1ms, square wave, 1 cycle, $T_j = 25$				720
Current squared time @1ms t 8.3ms $T_j = 25$ , Rating of per diode		$I^2t$	$A^2S$	538
Storage temperature		$T_{stg}$		-55 ~ +150
Junction temperature		$T_j$		-55 ~ +150
Dielectric strength @ Terminals to case, AC 1 minute		Vdis	KV	2.5
Mounting torque @Recommend torque 5kg cm		Tor	kg cm	8



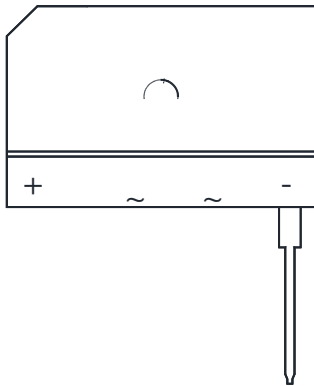
# GBJU2506

## Electrical Characteristics $T_a=25$ Unless otherwise specified

PARAMETER	SYMBOL	UNIT	TEST CONDITIONS	Min	Typ	Max
Instantaneous forward voltage drop per diode	$V_F$	V	$I_{FM}=12.5A$	0.80	0.875	0.92
DC reverse current at rated DC blocking voltage per diode	$I_R$	$\mu A$	$T_j=25$	-	0.001	5
			$T_j=125$	-	-	50
Junction capacitance	$C_j$	pF	Measured at 1MHz			



## Outline Dimensions



Dimensions in millimeters

6KBJ		
Dim	Min	Max
A	29.7	30.3
B	19.7	20.3
C	17.0	18.0
D	4.8	5.8
E	3.8	4.2
F	7.3	7.7
G	9.8	10.2
H	0.9	1.1
I	2.0	2.4
J	2.3	2.7
K	3.4	3.8
L	4.4	4.8
M	10.8	11.2
N	3.1	3.7
O	3.1	3.4
P	0.6	0.8



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