

( $T_a=25$  Unless otherwise specified)

Device marking code				GBJ2516A
Maximum Repetitive Peak Reverse Voltage	VRRM	V		1600
Maximum RMS Voltage	VRMS	V		1120
Maximum DC blocking Voltage	VDC	V		1600
Average rectified output current @60Hz sine wave, R-load,	With heatsink $T_c=95$	IO	A	25.0
	Without heatsink $T_a=25$			3.5
Forward Surge Current (Non-repetitive) @60Hz Half-sine wave, 1 cycle, $T_j=25$	IFSM	A		350
Forward Surge Current (Non-repetitive) @1ms, square wave, 1 cycle, $T_j=25$				700
Current squared time @1ms t 8.3ms $T_j=25$ , Rating of per diode	$I^2t$	$A^2s$		508
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

$T_a=25$  Unless otherwise specified

Maximum instantaneous forward voltage drop per diode	VF	V	IFM=12.5A	1.1
Maximum DC reverse current at rated DC blocking voltage per diode	IR	$\mu A$	$T_j=25$	5
			$T_j=125$	51 mμv



T<sub>a</sub>=25 Unless otherwise specified

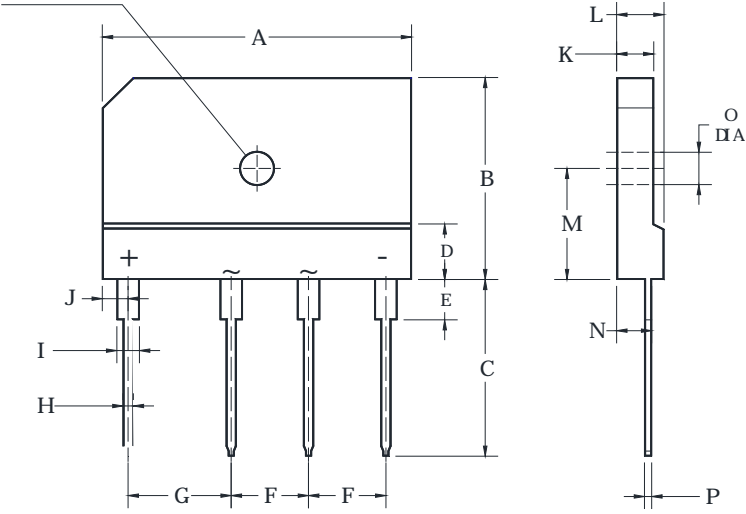
Thermal Resistance	Between junction and ambient, Without heatsink	R J-A	/W	18.0	
	Between junction and case, With heatsink	R J-C		1.0	

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



### 6KBJ

HOLE FOR NO  
6 SCREW



Dimensions in millimeters

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



---

The information presented in this document is for reference only. Yangzhou Yangjie Electronic Technology Co., Ltd. reserves the right to make changes without notice for the specification of the products displayed herein to improve reliability, function or design or otherwise.

The product listed herein is designed to be used with ordinary electronic equipment or devices, and not designed to be used with equipment or devices which require high level of reliability and the malfunction of which would directly endanger human life (such as medical instruments, transportat