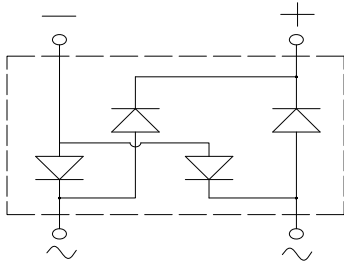


UL recognition, file #E313149  
 Glass passivated chip junction  
 Ideal for automated placement  
 High surge current capability  
 Meets MSL level 1, per J-STD-020, LF maximum peak of 260 °C

General purpose use in AC/DC bridge full wave rectification for SMPS, lighting ballaster, adapter, battery charger, home appliances, office equipment, and telecommunication applications.



: YBS

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

: Tin plated leads, solderable per

J-STD-002 and JESD22-B102

As marked on body

( $T_a=25$  Unless otherwise specified)

Device marking code			YBSL3006A
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MM  
 @60Hz sine wave, R-load,  $T_c=125$

I

	o	A	3.0
Forward Surge Current (Non-repetitive) @60Hz Half-sine wave, 1 cycle, $T_j=25$	$I_{FSM}$	A	120
Forward Surge Current (Non-repetitive) @1ms, square wave, 1 cycle, $T_j=25$			240
Current squared time @1ms $t < 8.3ms$ $T_j=25$ Rating of per diode	$I^2t$	$A^2s$	59.8
Storage temperature	$T_{stg}$		-55 ~ +150
Junction temperature	$T_j$		-55 ~ +150

$T_a=25$  Unless otherwise specified

Instantaneous forward voltage drop per diode	$V_F$	V	
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$T_a=25$  Unless otherwise specified

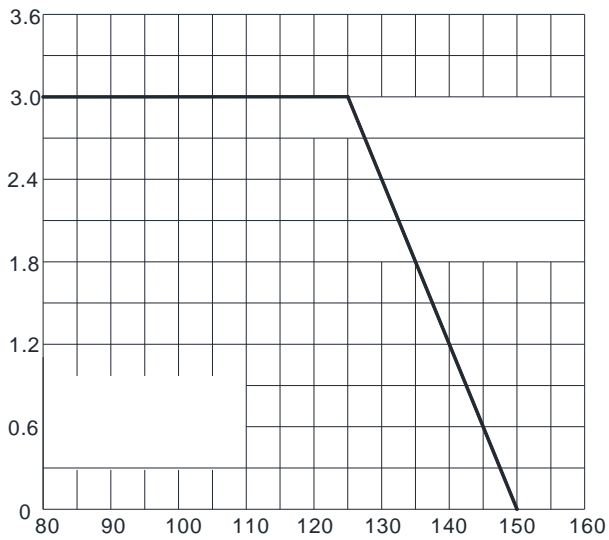
Typical Thermal Resistance	Between Junction and Ambient	$R_{J-A}$	/W	55.0
	Between Junction and Lead	$R_{J-L}$		15.0
	Between Junction and Case	$R_{J-C}$		8.0

Note: Device mounted on P.C.B with 35mm\*25mm\*1.7mm.

(Example)

YBSL3006A	F1	Approximate 0.220	3000	/	42000	13" reel

(Typical)





D	7.90	8.60
7.90	8.0	

P1	9.15
P2	7.10
Q1	1.80
Q2	2.00



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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, transportation equipment, aerospace machinery, nuclear-reactor controllers, fuel controllers and other safety devices), Yangjie or anyone on its behalf or anyone who uses the product in any way.