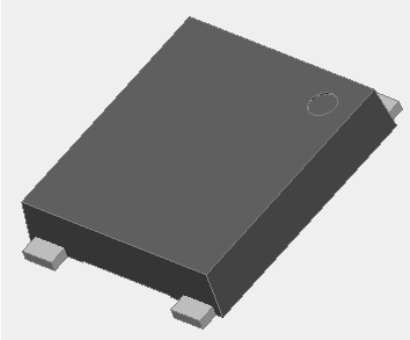
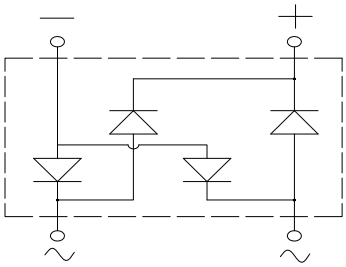
YBSL3008A

RoHS
COMPLIANT





■Maximum Ratings (T_a=25 Unless otherwise specified

PARAMETER	SYMBOL	UNIT	YBSL3008A
Device marking code			YBSL3008A
Maximum Repetitive Peak Reverse Voltage	V_{RRM}	V	800
Maximum RMS Voltage	V_{RMS}	V	560
Maximum DC blocking Voltage	V_{DC}	V	800
Average rectified output current @60Hz sine wave, R-load, Tc=125	I_O	A	3.0
Forward Surge Current (Non-repetitive) @60Hz Half-sine wave,1 cycle, Tj=25	I_{FSM}	A	120
Forward Surge Current (Non-repetitive) @1ms, square wave, 1 cycle, Tj=25			240
Current squared time @1ms≤t<8.3ms Tj=25 Rating of per diode	I^2t	A^2s	59.8
Storage temperature	Tstg		-55 ~ +150
Junction temperature	Tj		-55 ~ +150

■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}=1.5A	0.7	0.87	0.92
DC reverse current at rated DC blocking voltage per diode	I_R	μA	T_j=25	-	0.1	5
			Tj=125	-	35	100
Junction capacitance	Cj	pF	Measured at 1MHz and Applied Reverse Voltage of 4.0 V.D.C	20	38	60

Yangzhou Yangjie Electronic Technology Co., Ltd.

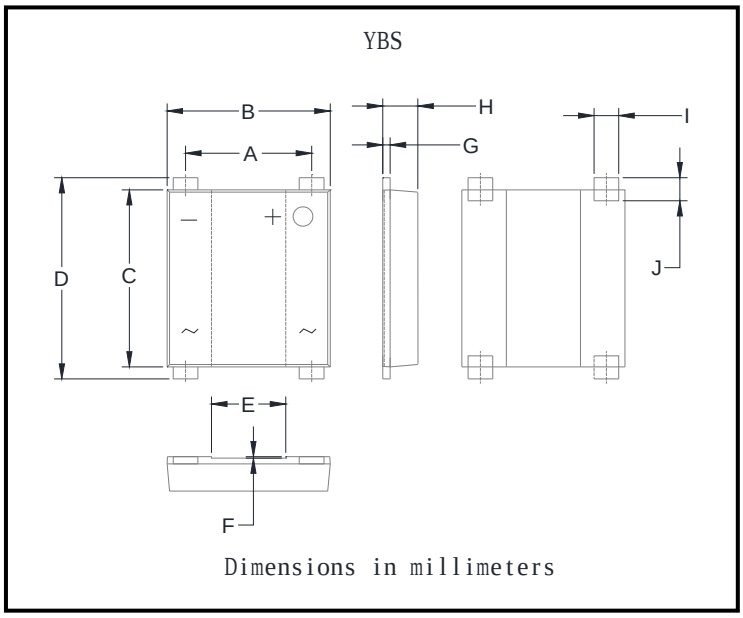
rating, RoHS-compliant, Halogen-free

- **Terminals**: Tin plated leads, solderable per

■**Thermal Characteristics** T_a=25 Unless otherwise specified

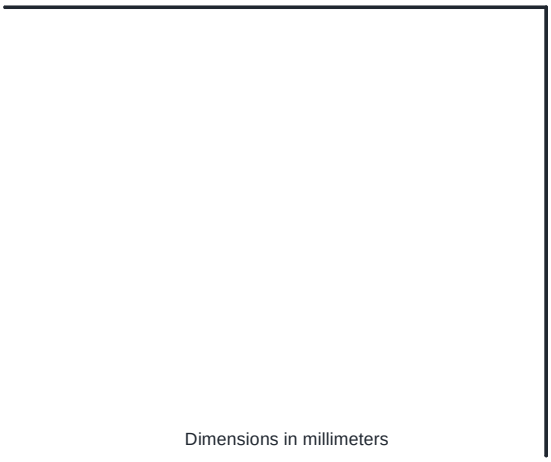
PARAMETER	SYMBOL

■ Outline Dimensions



YBS		
Dim	Min	Max
A	5.00	5.20
B	6.50	6.70
C	7.20	7.40
D	7.90	8.60
E	2.90	3.10
F	0.04	0.08
G	0.27	0.40
H	1.30	1.50
I	0.95	1.15
J	0.70	1.05

■ Suggested pad layout



Dim	Min
P1	9.15
P2	7.10
Q1	1.80
Q2	2.00