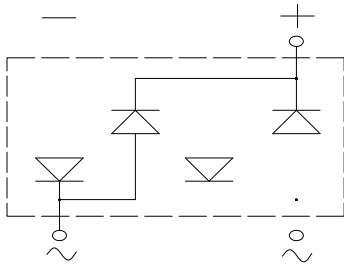
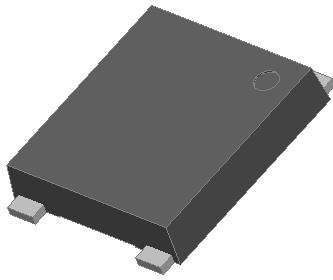


## Fast Recovery Bridge Rectifiers



### Features

- 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

### Typical Applications

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

### Mechanical Data

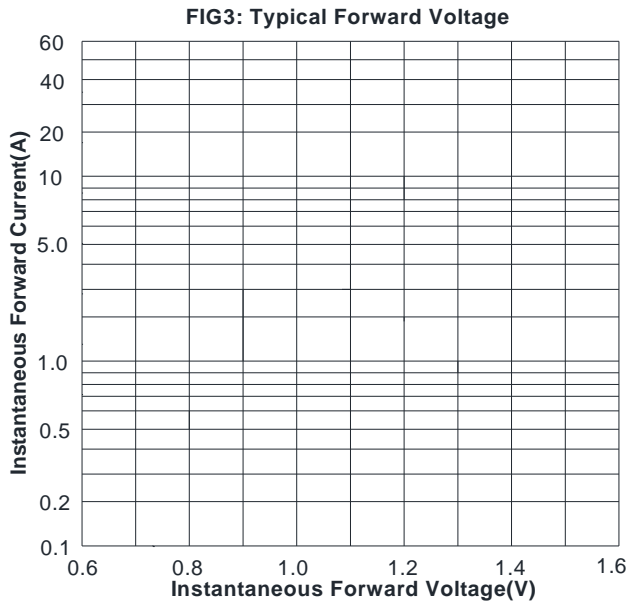
**Package:** YBS

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

**Terminals:** PAø r Ut )(Ä" 0 H 0 a6` Æ f D Q ••i•À Æ ' ' • Æ

0D[LPXP 506 9ROWDJH	9 <sub>506</sub>	9	
0D[LPXP ' & EORFNLQJ 9ROWDJH 9_&		9	
\$YHUDJH UHFWLILHG RXWSXW FXUHQW # +] VLQH ZDYH 5 ORDG 7F		A	3.0
Forward Surge Current (Non-repetitive) @60Hz Half-sine wave, 1 cycle, T <sub>j</sub> =25	I <sub>FSM</sub>	A	90
Forward Surge Current (Non-repetitive) @1ms, square wave, 1 cycle, T <sub>j</sub> =25			180
Current squared time @1ms t<8.3ms T <sub>j</sub> =25 Rating of per diode	I <sup>2</sup> t	A <sup>2</sup> s	33.6
Storage temperature	T <sub>stg</sub>		-55 ~ +150
Junction temperature	T <sub>j</sub>		-55 ~ +150

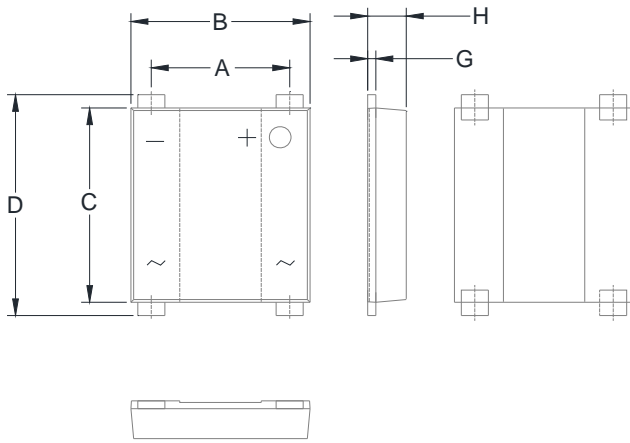






# RYBS3010

## 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



## Disclaimer

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