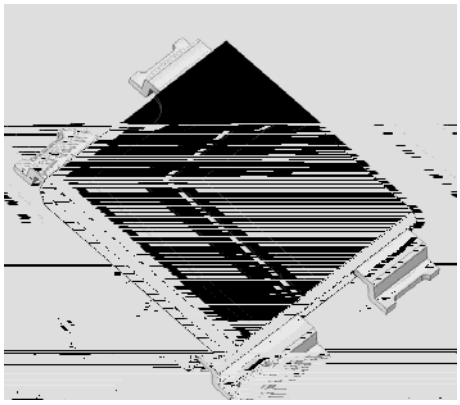
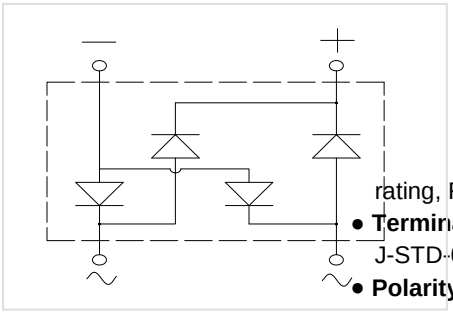
Bridge Rectifiers





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

Mechanical Data

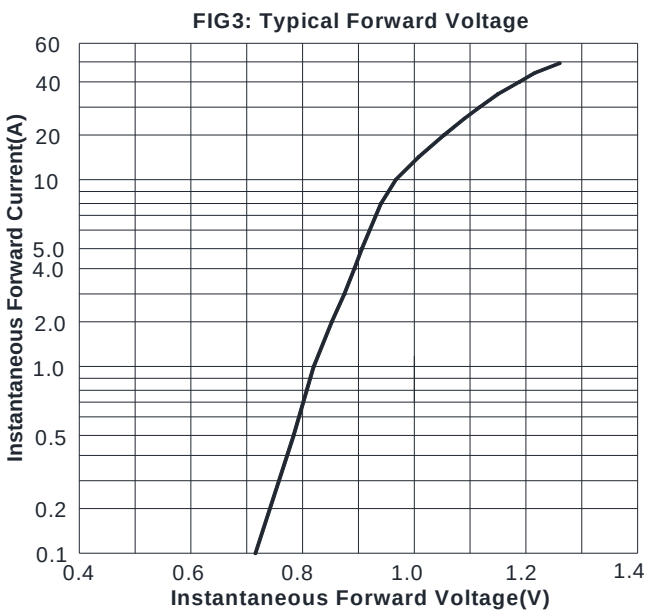
- **Package**: YBS6
  Molding compound me oĎ ae "
  rating, RoHS-compliant, Halogen-free
- **Terminals**: Tin plated leads, solderable per J-STD-002 and JESD22-B102
- **Polarity:** As marked on body

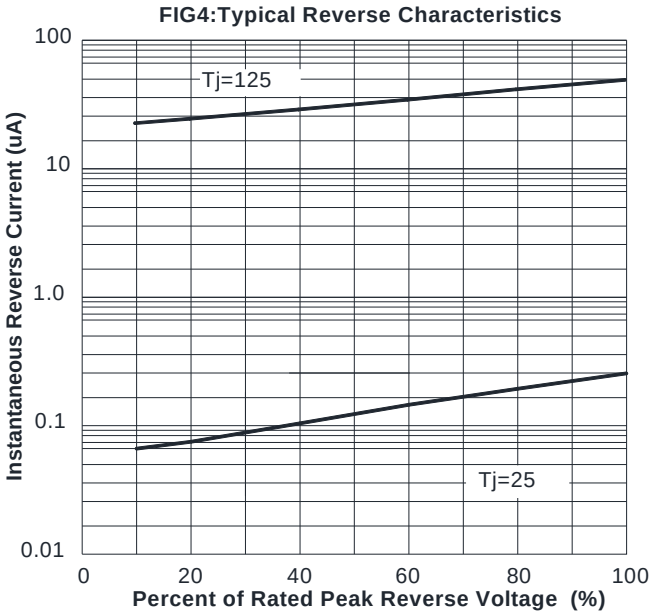
■Maximum Ratings (T_a=25 Unless otherwise specified

PARAMETER	SYMBOL	UNIT	YBSN100005	YBSN10001	YBSN10002	YBSN10004	YBSN10006	YBSN10008	YBSN10010
Device marking code			YBSN100005	YBSN10001	YBSN10002	YBSN10004	YBSN10006	YBSN10008	YBSN10010
Maximum Repetitive Peak Reverse Voltage	V_{RRM}	V	50	100	200	400			

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

PARAMETER	SYMBOL	UNIT	TEST CONDITIONS	YBSN100005	YBSN10001	YBSN10002	YBSN10004	YBSN10006	YBSN10008	YBSN10010
Maximum instantaneous forward voltage drop per diode	V_F	V	I_{FM}=5.0A	1.0						
Maximum DC reverse current at rated DC blocking voltage per diode	I_R	μA	T_j =25	5						
			T_j =125	100						
Typical junction capacitance										

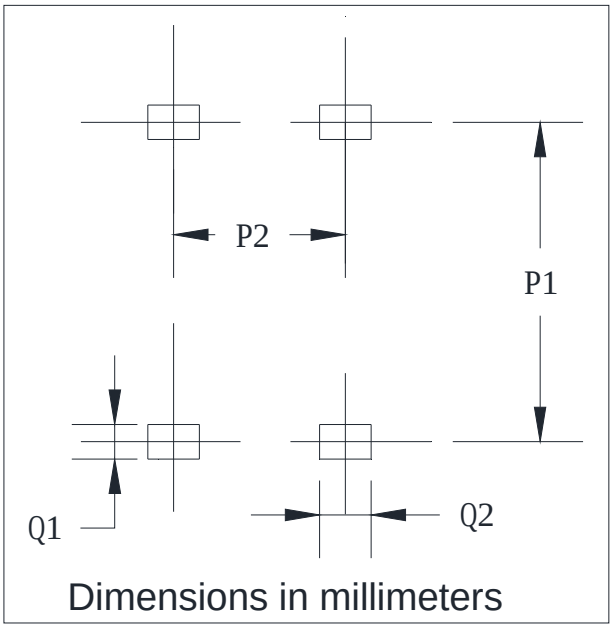




■ Outline Dimensions

YBS6		
Dim	**Min**	**Max**
A	10.70	11.30
B	15.85	16.65
C	11.70	12.30
D	3.05	3.35
E	1.80	2.20
F	0.70	1.10
G	0	0.20
H	6.55	6.85
T	0.35	0.55

■ **Suggested pad layout**



YBS6	
Dim	**Min**
P1	15.50
P2	6.70
Q1	1.00
Q2	3.20

Disclaimer