Super Fast Recovery Bridge Rectifiers

Features

- UL recognition, file #E230084
- Glass passivated chip junction
- Thin single in-line package
- High surge current capability
- Solder dip 275 °C max. 7 s, per JESD 22-B106

Typical Applications

General purpose use in AC/DC bridge full wave rectification for switching power supply, home appliances, office equipment, industrial automation applications.

Mechanical Data

- **Package**: PB
  Molding compound meets UL 94 V-0 flammability 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	EPB35

■Electrical Characteristics T_a=25 Unless otherwise specified

PARAMETER	SYMBOL	UNIT	TEST CONDITIONS	
Maximum reverse recovery time	T_{RR}	ns	I_F=0.5A,I_R=1.0A, I_{RR}=0.25A	50
Maximum instantaneous forward voltage drop per diode	V_F	V	I_{FM}=17.5A	2.0
Maximum DC reverse current at rated DC blocking voltage per diode	I_R	μA	Tj =25	5
			Tj =125	100
Typical junction capacitance	Cj	pF	Measured at 1MHz and Applied Reverse Voltage of 4.0 V.D.C	175

■Thermal Characteristics T_a=25 Unless otherwise specified

PARAMETER		SYMBOL		EPB3506
Typical Thermal Resistance	Between junction and ambient, Without heatsink	$R_{\theta J-A}$	/W	17.0
	Between junction and case, With heatsink	$R_{\theta J-C}$		0.8

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

■Ordering Information (Example)

PREFERED P/N	PACKING CODE	

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