

# **ARDRHBS410UX0**

Case: HBS

#### Glass Passivated Single-Phase 4.0Amp Surface Mount Bridge Rectifier

#### **Features**

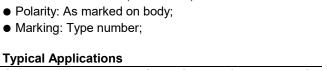
- Surface mount bridge, small package;
- Ideal for printed circuit boards;
- Glass passivated chip junction;
- High forward current capability up to 4.0A;
- High surge current capability;
- High heat dissipation capability;
- Low profile package;
- Low forward voltage drop;
- Plastic package has Underwrites Laboratory Flammability Classification 94V-0;

#### **Mechanical Data**

Case: HBS;

Epoxy meets UL-94V-0 Flammability rating;

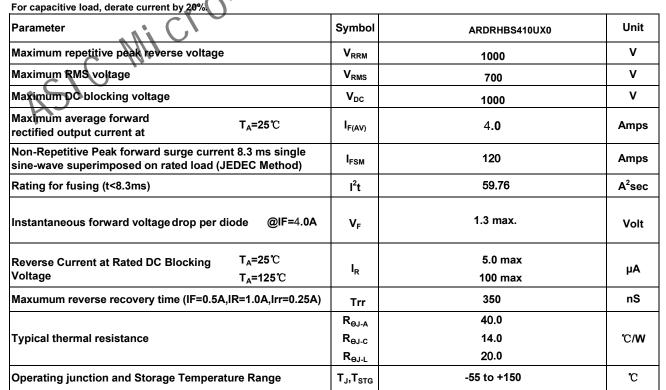
- Terminals:Matte tin plated leads, solderable per J-STD-002 and JESD22-B102;
- High temperature soldering guaranteed: Solder Reflow 260°C,10seconds;



General purpose use in AC-to-DC bridge full wave rectification for Fast Charging, Switching Power Supply, USB PD, Adapter and 3-in-1 Power Board, etc.

## **Maximum Ratings and Electrical Characteristics**

Ratings at 25°C ambient temperature unless otherwise specified. Single Phase, half wave, 60Hz, resistive or inductive load.

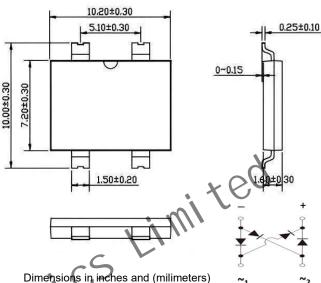


Note1: Measured at 1.0MHz and applied reverse voltage of 5.0V DC;









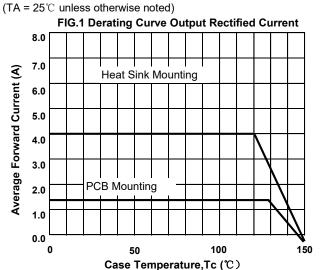








### **Ratings and Characteristics Curves**



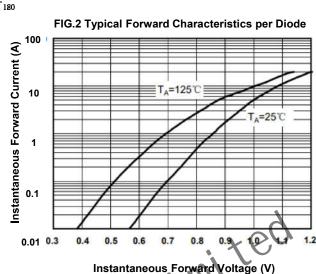


FIG.3 Maximum Non-Repetitive Peak Forward Surge
Current per Diode

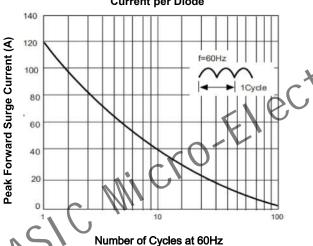


FIG.4 Typical Reverse Characteristics per Diode

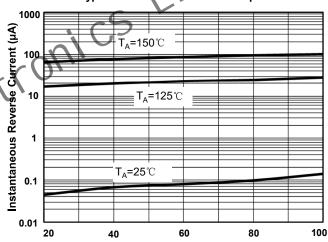
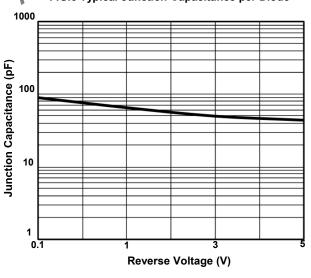


FIG.5 Typical Junction Capacitance per Diode



Percent of Rated Peak Reverse Voltage (%)

