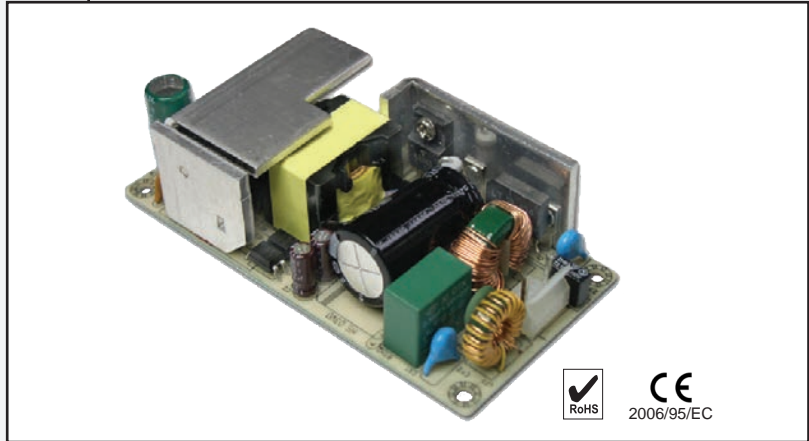


**FEATURES**

- ◆ Compact 2" x 4" Footprint
- ◆ Universal AC Input
- ◆ Outputs from 5VDC to 48VDC
- ◆ 60 Watts Convection
- ◆ Class B EMI



**TWO YEAR WARRANTY**

**SAFETY CERTIFICATIONS**

UL60950-1 2<sup>nd</sup> Edition  
CSA22.2, No. 60950-1 2<sup>nd</sup> Edition  
EN60950-1 2<sup>nd</sup> Edition

**STANDARD MODELS**

Model Number	Output Voltage	Output Current	Output Power	Total Regulation	Ripple & Noise (Vp-p)
RB-040U-S05	5V	8.00A	40W	±5%	150mV
RB-060U-S12	12V	5.00A	60W	±3%	150mV
RB-060U-S15	15V	4.00A	60W	±3%	150mV
RB-060U-S19	19V	3.16A	60W	±3%	190mV
RB-060U-S24	24V	2.50A	60W	±3%	240mV
RB-060U-S36	36V	1.67A	60W	±2%	300mV
RB-060U-S48	48V	1.25A	60W	±2%	300mV

Note: All ratings for convection cooling.

**SPECIFICATIONS**

Typical at Nominal Line, Full Load and 25°C Unless Otherwise Noted. Subject to change without notice.

**INPUT SPECIFICATIONS**

Input Operating Range .....90-264VAC  
Power Factor, full load .....>0.90  
Input Frequency .....47-63Hz  
Input Current, RMS ..... <2A @ 115VAC, <1A @ 230VAC  
Inrush Current, cold start @ 25°C ..... <40A Peak @ 115VAC  
..... <80A Peak @ 230VAC  
Input EMI Filter ..... EN55022 Curve B, FCC20780 pt. 15J Curve B  
Input Protection ..... Internal Fuse

**OUTPUT SPECIFICATIONS**

Total Output Power, Convection ..... 40-60 Watts  
Total Regulation <sup>1</sup> ..... see model listing  
Ripple & Noise, Pk-Pk <sup>2</sup> ..... see model listing  
Holdup Time, Full Load @ 115VAC .....10mS  
Dynamic Response <sup>3</sup> .....300µS  
Temperature Coefficient .....±0.05%/°C  
Minimum Load .....0A  
Overload Protection .....105-160% Full Load, Auto Recovery  
Overvoltage Protection ..... Shutdown  
Short Circuit Protection .....Auto Recovery

**GENERAL SPECIFICATIONS**

Efficiency ..... 80% typical at Full Load, 115VAC  
Switching Frequency .....65kHz  
MTBF .....100,000 Hours  
Immunity ..... EN61000-4-2, 3, 4, 5, 6, 8, 11  
Safety Standards ..... UL60950-1 2nd Ed., CSA22.2 No.60950-1 2nd Ed.,  
EN60950-1 2nd Ed.

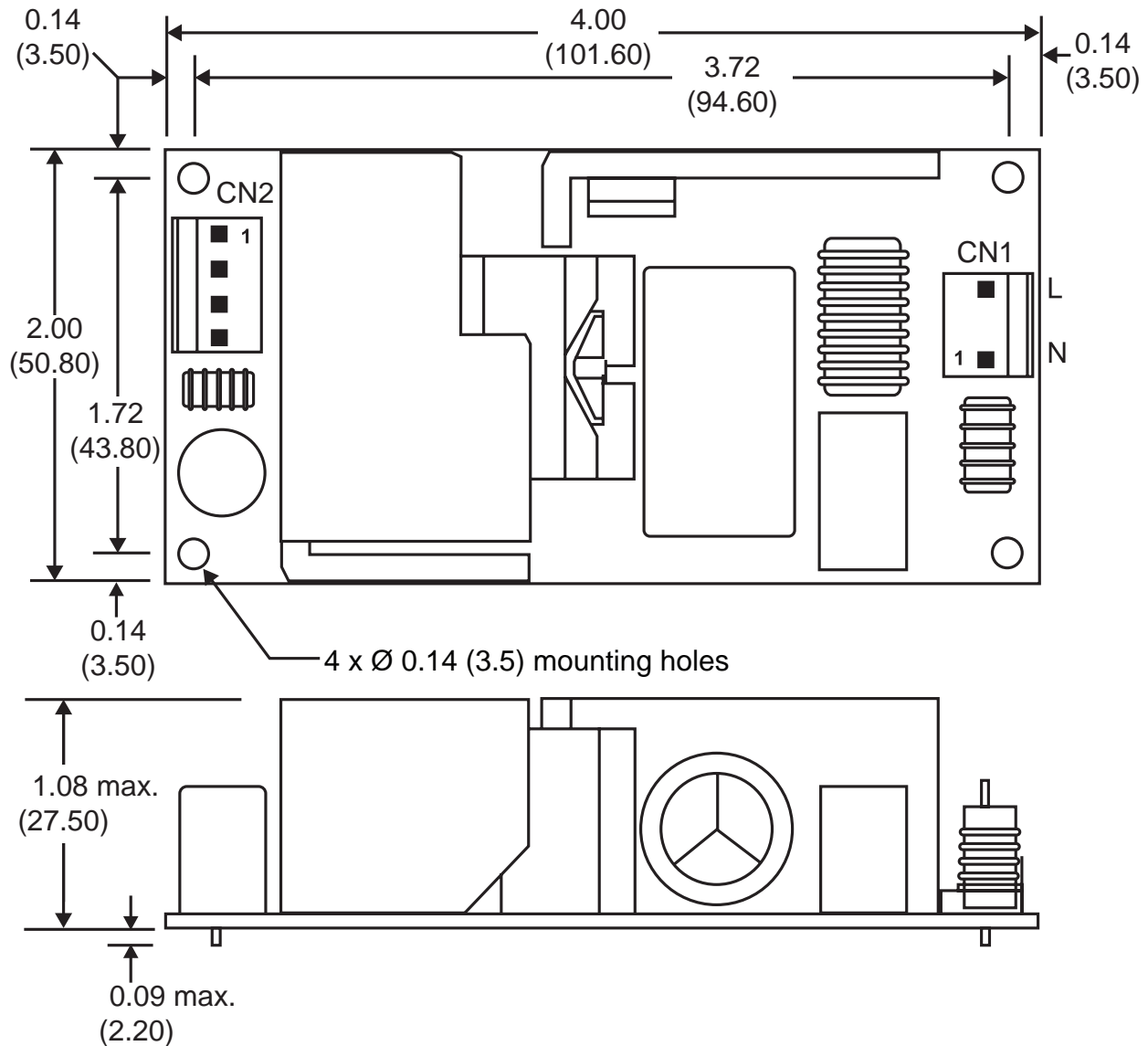
**ENVIRONMENTAL SPECIFICATIONS**

Operating Temperature .....0°C to 60°C Ambient  
Derating .....2.5%/°C, 41°C to 60°C  
Storage Temperature .....-10°C to +70°C  
Humidity .....10% to 95%, non-condensing  
Cooling .....Natural Convection

**PHYSICAL SPECIFICATIONS**

Format ..... Open PCB  
Dimensions, Inches(mm) ..... 1.08 H x 2.0 W x 4.0 D  
.....(27.5 x 50.8 x 101.6)  
Weight ..... 0.33 lbs. (0.15 kg.)

- NOTES:** 1. No load to full load, including line regulation and load regulation.  
2. 20MHz bandwidth. Measure with 0.1µF ceramic and 10µF tantalum capacitors in parallel across the output.  
3. <4% deviation recovering to within 1% for 25% load change.

**MECHANICAL SPECIFICATIONS & CONNECTION DETAILS**


ALL DIMENSIONS IN INCHES (mm).

CONNECTOR PINOUTS	
CN1	See outline drawing
CN2	Pin 1: Output +Ve Pin 2: Output +Ve Pin 3: Output -Ve Pin 4: Output -Ve

MATING CONNECTORS	
CN1	Housing: Molex 09-76-1020 or equivalent Pins (2): Molex 08-70-0012 or equivalent
CN2	Housing: Molex 09-52-4044 or equivalent Pins (4): Molex 08-70-0012 or equivalent

A kit containing one each housing and indicated number of pins is supplied with each unit as standard.