

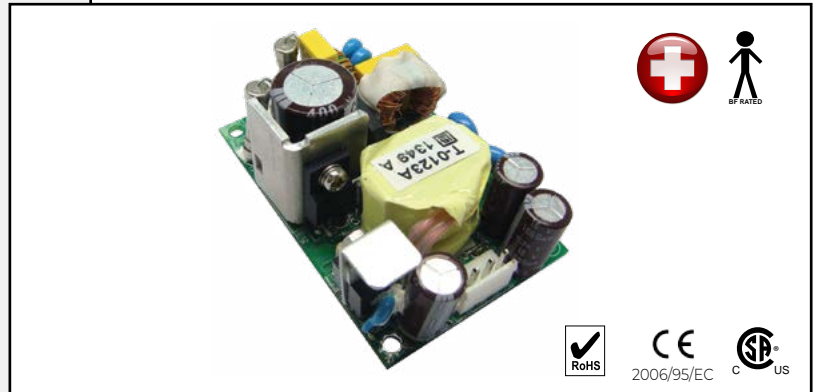
## FEATURES

- ◆ 65 Watts in 2" x 3" Footprint
- ◆ Full Medical & ITE Approvals
- ◆ Medical Body Floating (BF) rated, MOPP Type
- ◆ Efficiency Level V
- ◆ <0.2W No Load Consumption

## TWO YEAR WARRANTY

## SAFETY CERTIFICATIONS

UL60601-1 3<sup>rd</sup> Edition  
 UL60950-1 2<sup>nd</sup> Edition  
 CSA22.2, No. 60601-1 3<sup>rd</sup> Edition  
 CSA22.2, No. 60950-1 2<sup>nd</sup> Edition  
 EN60601-1 3<sup>rd</sup> Edition  
 EN60950-1 2<sup>nd</sup> Edition



## STANDARD MODELS

Model Number	Output Voltage	Output Current <sup>1</sup>	Maximum Power <sup>1</sup>	Total Regulation <sup>2</sup>	Ripple & Noise (Vp-p)
RGM-040U-S05	5V	8.00A	40W	±3%	150mV
RGM-065U-S12	12V	5.42A	65W	±3%	240mV
RGM-065U-S15	15V	4.33A	65W	±3%	300mV
RGM-065U-S19	19V	3.42A	65W	±3%	300mV
RGM-065U-S24	24V	2.71A	65W	±3%	300mV
RGM-065U-S28	28V	2.32A	65W	±3%	300mV
RGM-065U-S48	48V	1.35A	65W	±3%	300mV

### NOTES:

1. All ratings are for convection cooling.
2. Output regulation reduced to ±10% below 0°C.

## 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  
 Input Frequency .....47-63Hz  
 Input Current, RMS .....<1A @115VAC, <0.6A @ 230VAC  
 Inrush Current, cold start @ 25°C .....<65A Peak @ 115VAC  
 .....<130A Peak @ 230VAC  
 Input EMI Filter .....EN55022 Curve B, FCC20780 pt. 15J Curve B  
 Input Protection .....Internal Fuse  
 Leakage Current .....<160µA @ 264VAC

### OUTPUT SPECIFICATIONS

Total Output Power, Continuous, Max..... see model table  
 Total Regulation<sup>1</sup>..... see model table  
 Ripple & Noise, Pk-Pk<sup>2</sup>..... see model table  
 Holdup Time, full load @ 115VAC.....>10mS  
 Dynamic Response<sup>3</sup>.....300µS  
 Temperature Coefficient.....±0.04%/°C  
 Minimum Load.....0A  
 Overload Protection<sup>4</sup>.....110-160% Full Load, Auto Recovery  
 Overvoltage Protection .....Shutdown, Latch off  
 Short Circuit Protection .....Auto Recovery

### GENERAL SPECIFICATIONS

Efficiency<sup>5</sup>.....>87% typical at Full Load, 115VAC  
 MTBF .....100,000 Hours  
 EMC (Medical) .....EN60601-1  
 Immunity (ITE) .....EN61000-4-2, 3, 4, 5, 6, 8, 11  
 Safety Standards  
 Medical.....UL60601-1 3rd Ed., CSA22.2 No.60601-1 3rd Ed.,  
 .....EN60601-1 3rd Ed.  
 ITE.....UL60950-1 2nd Ed., CSA22.2 No.60950-1 2nd Ed.,  
 .....EN60650-1 2nd Ed.

### ENVIRONMENTAL SPECIFICATIONS

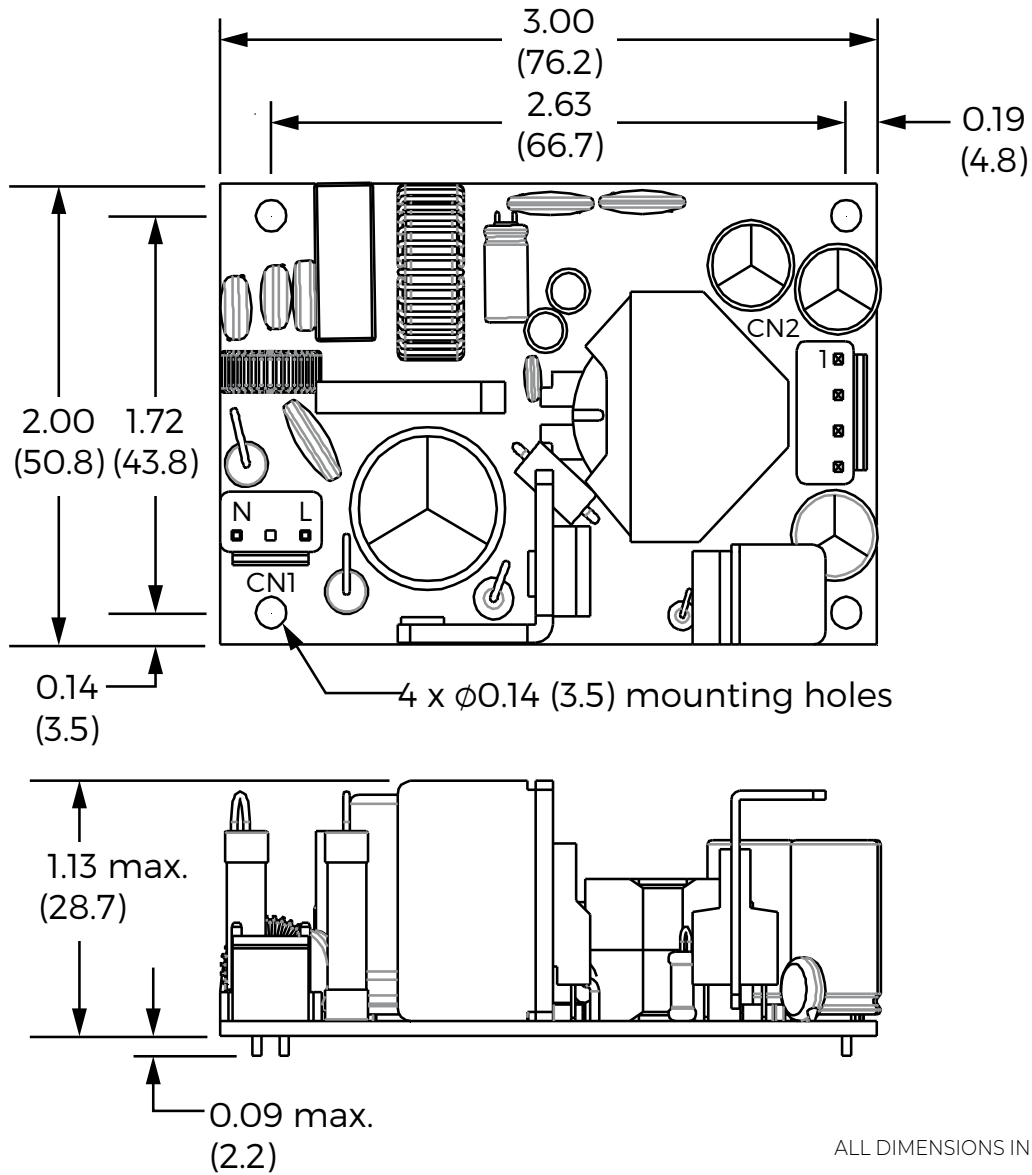
Operating Temperature.....-20°C to 70°C Ambient  
 Derating.....2.5%/°C, 41°C to 70°C  
 Storage Temperature.....-20°C to 85°C  
 Humidity .....0% to 95%, non-condensing  
 Cooling.....Natural Convection

### PHYSICAL SPECIFICATIONS

Format .....Open PCB  
 Dimensions, inches (mm) .....3 L x 2 W x 1.13 H  
 .....(76.2 x 50.8 x 28.7)  
 Weight .....0.26lbs (0.12kg)

- 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.
  4. 110-170% for RGM-065U-S48.
  5. >85% typical for RGM-040U-S05.

MECHANICAL SPECIFICATIONS & CONNECTION DETAILS



ALL DIMENSIONS IN INCHES (mm).

CONNECTOR PINOUTS		MATING CONNECTORS
CN1	L: AC LIVE      N: AC NEUTRAL	JST VHR-3N or equivalent
CN2	Pin 1: Output -Ve    Pin 3: Output +Ve Pin 2: Output -Ve    Pin 4: Output +Ve	JST VHR-4N or equivalent

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