

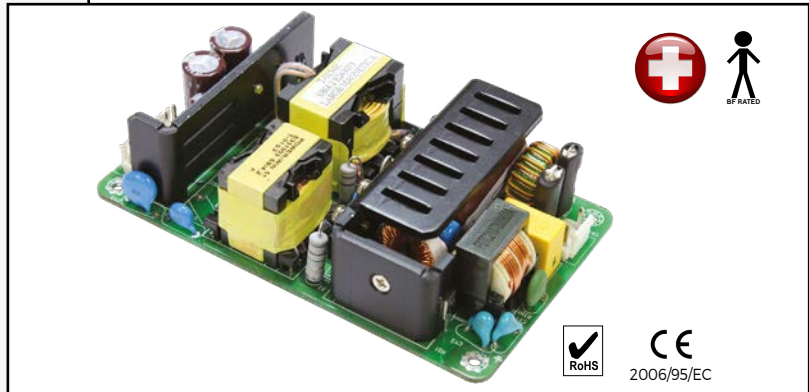
FEATURES

- ◆ 180 Watts in 3" x 5" Footprint
- ◆ Full Medical Approvals
- ◆ Medical Body Floating (BF) rated, MOOP Type
- ◆ Efficiency Level V
- ◆ Class B EMI Filter

TWO YEAR WARRANTY

SAFETY CERTIFICATIONS

UL60601-1 3rd Edition
 CSA22.2, No. 60601-1 3rd Edition
 EN60601-1 3rd Edition



STANDARD MODELS

Model Number	Output Voltage	Output Current ¹	Maximum Power	Total Regulation	Ripple & Noise (Vp-p)
RDM-180P-S12	12V	15.00A 10.00A	180W	±3%	240mV
RDM-180P-S15	15V	12.00A 8.00A	180W	±3%	240mV
RDM-180P-S19	19V	9.48A 6.32A	180W	±2%	240mV
RDM-180P-S24	24V	7.50A 5.00A	180W	±2%	240mV
RDM-180P-S28	28V	6.43A 4.29A	180W	±2%	240mV
RDM-180P-S48	48V	3.75A 2.50A	180W	±2%	240mV

NOTES:

1. First figure is maximum output current with 15cfm forced cooling at up to 50°C.
 Second figure is maximum output current with convection cooling at up to 40°C.

SPECIFICATIONS

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

INPUT SPECIFICATIONS

Input Operating Range90-264VAC
 Power Factor, full load>0.95 @ 115VAC, >0.9 @ 230VAC
 Input Frequency..... 47-63Hz
 Input Current, RMS<3A @115VAC, <1.5A @ 230VAC
 Inrush Current, cold start @ 25°C<50A Peak @ 115VAC
 <100A Peak @ 230VAC
 Input EMI Filter.....EN55022 Curve B, FCC20780 pt. 15J Curve B
 Input Protection.....Internal Fuse
 Leakage Current.....<100µA @ 264VAC

OUTPUT SPECIFICATIONS

Total Output Power, Continuous, Max180 Watts
 Total Regulation¹.....see model table
 Ripple & Noise, Pk-Pk².....see model table
 Holdup Time, full load @ 115VAC.....>20mS
 Dynamic Response³.....300µS
 Temperature Coefficient.....±0.04%/°C
 Minimum Load.....0A
 Overload Protection110-150% Full Load, Auto Recovery
 Overvoltage Protection.....Shutdown, Latch off
 Short Circuit Protection.....Auto Recovery

GENERAL SPECIFICATIONS

Efficiency.....>87% typical at Full Load, 115VAC
 MTBF.....100,000 Hours
 EMC.....EN60601-1
 Safety Standards.....UL60601-1 3rd Ed., CSA22.2 No.60601-1 3rd Ed., EN60601-1 3rd Ed.

ENVIRONMENTAL SPECIFICATIONS

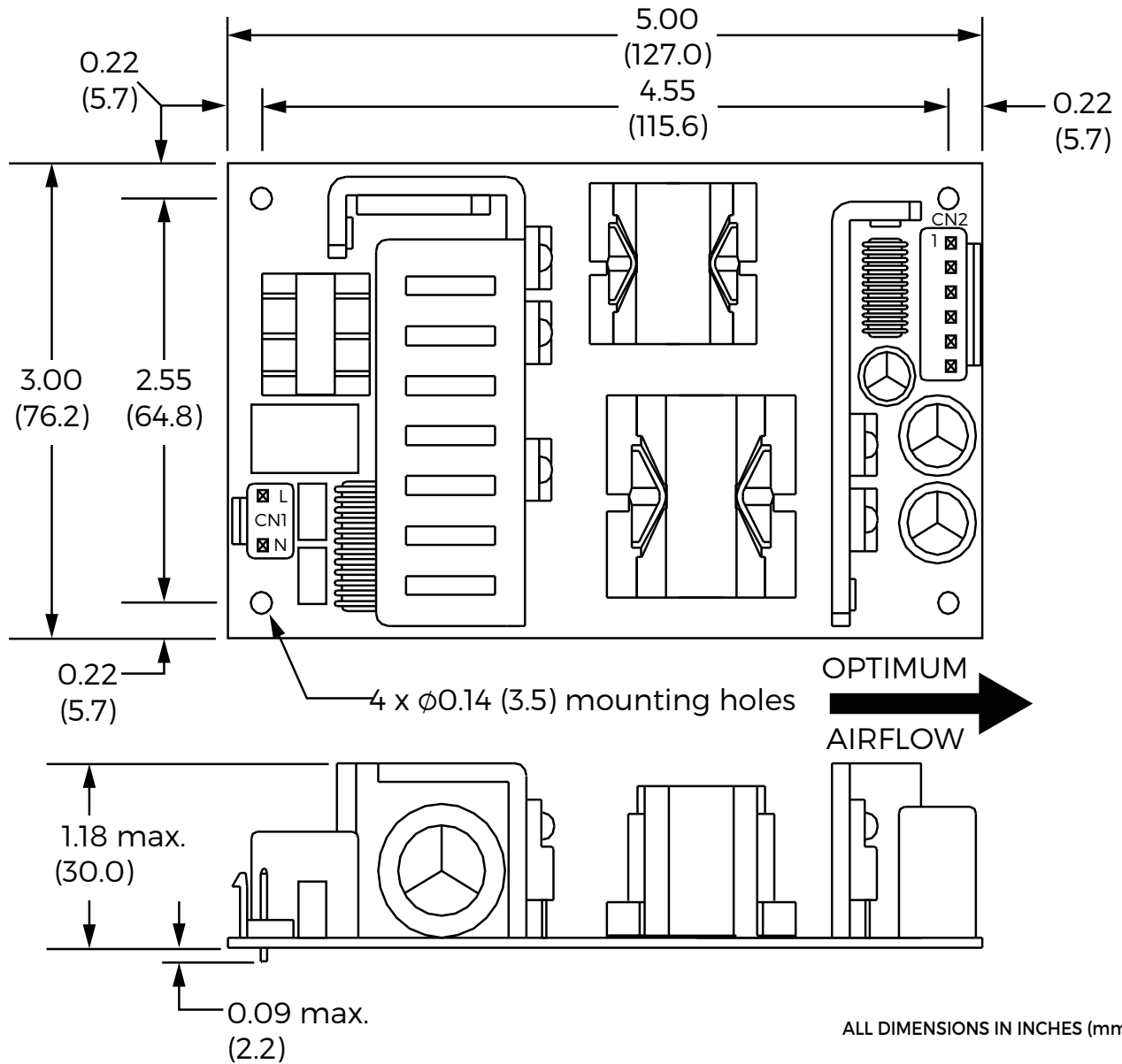
Operating Temperature.....0°C to 60°C Ambient
 Derating.....see derating chart
 Storage Temperature.....-40°C to 85°C
 Humidity.....5% to 95%, non-condensing
 Cooling.....Natural Convection or Forced

PHYSICAL SPECIFICATIONS

Format.....Open PCB
 Dimensions.....see outline drawings
 Weight.....see outline drawings

- 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 - OPEN PCB



CONNECTOR PINOUTS		MATING CONNECTORS	
CN1	L: AC LIVE N: AC NEUTRAL	JST VHR-3N or equivalent	
CN2	Pin 1: Output -Ve Pin 2: Output -Ve Pin 3: Output -Ve	Pin 4: Output +Ve Pin 5: Output +Ve Pin 6: Output +Ve	JST VHR-6N or equivalent

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

