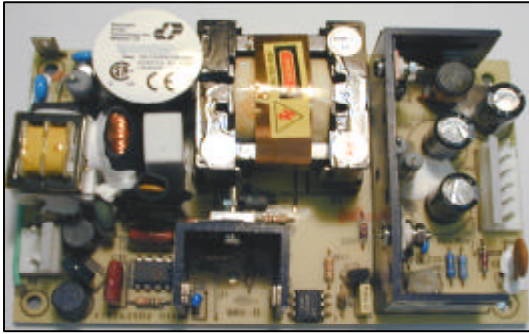


# RSM Series Product Specification

AC/DC Medical Grade Power Supplies for Patient Contact



RSM Series 40 Watt Power Supplies	
Cost effective 40 Watt Medical Grade Switching AC/DC Converters with Wide Range Input	
Model Number	Volts DC @ Amps
RSM-40/3	
Output 1	5V/12V/15V/24V @ 40W
Output 2	12V/15V/24V @ 2.2A max
Output 3	5V/12V/15V @ 0.3A max
Form Factor: 3" x 5" x 1.13"	

## Input Specifications

AC Input Voltage Range..... 85-264Vac  
Input Frequency..... 47-63 Hz  
Input Protection..... Internal Fuse  
Inrush Current: 115Vac / 230Vac..... 15A max/30A at 25 °C cold start  
Input EMI Filter..... EN 55011, CISPR 11 Class B  
Leakage Current..... 100uA max @ 240VAC 50hz  
Safety Ground..... 50uA max @ 110VAC 60hz

## Output Specifications

Total Output Power..... 8-40 Watts  
Line / Load Regulation..... +/- 0.5% maximum at full load  
Ripple..... 1% peak-to-peak maximum  
Hold-Up Time..... 15 mSec minimum at nominal input  
Temperature Coefficient..... +/- 0.04%/ °C max  
Overload Protection..... Standard  
OverVoltage Protection..... Output 1 only, 112-132% of its nominal voltage

## Safety Agency Certifications

UL 544/2601  
CSA C22.2 No.125  
EN 55011 CISPR II Class B  
IEC/EN 60601.1  
IEC/EN 61000-3-2/3 compliant  
CE Marked

## Environmental Specifications

Operational Temperature..... 0° to 70° C (with forced air cooling)  
Fan and/or Cover/Enclosure..... Optional  
Storage Temperature..... -40° to 75° C  
Humidity..... 5-95%, non-condensing  
Altitude..... 10,000 feet with appropriate cooling  
Vibration..... MIL-STD-810C, Method 514.2, Category f, Procedure VIII, 2.0G maximum at 5-200Hz.  
Shock..... MIL-STD-810C, Method 516.2, Category f, Procedure I, 3 shocks per axis/each direction, 11 mSec half sine at 15 Gs peak  
Derating..... Derated from 100% at 50° C linearly to 50% at 70° C

## General Specifications

Transient Response..... Max excursion at 4% or better , recovering to 1% of final vale within 500us after 25% step load change  
Efficiency..... 65% minimum at 40W output  
Hold-Up Time..... 15 msec minimum at nominal input  
Hi-Pot dielectric strength..... 4000VAC from input to output, 1500VAC from input to ground, 500VAC from output to ground  
Insulation Resistance..... 10 MOhm minimum from output to ground  
MTBF..... 100,000 hours minimum at full load, 25° C ambient  
Functional Verification..... 100% in circuit tested, 100% Pre Burn-In Parametric tested, 100% Post Burn-In Parametric tested with our burn in process subjecting each unit to 12 hours at elevated temperatures with power cycling  
Product Warranty..... 1 year warranty against defects and workmanship



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\*Subject to change without notice  
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