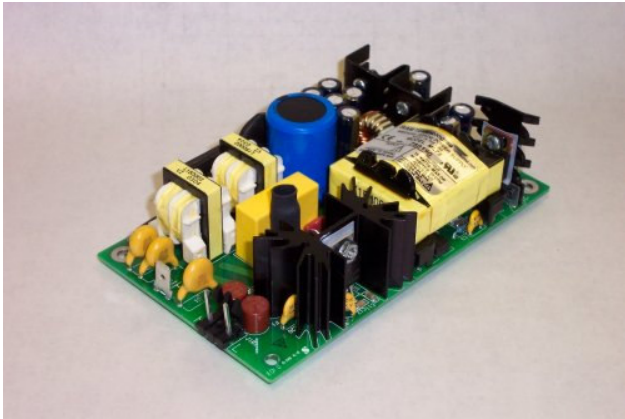


# RAM Technologies

## ML75-12-5 75 WATT MEDICAL POWER SUPPLY



The ML75-12-5 is a 75 Watt dual output medical grade power supply specifically designed for powering medical applications. Each output is independently controlled for excellent cross regulation.

### Specifications

#### Input

Input Voltage Range: 85 to 264 VAC  
Input current: 2 A MAX  
Frequency: 50/60 HZ  
Inrush Current: 35A Cold  
Efficiency: 75% to 80% TYP.  
Leakage Current: < 65 $\mu$ A @ 120 VAC 60HZ  
Input Fuses: 2X 3.15A 250V Line & Neut.

#### Output

Maximum cont. power: 75 Watts convection  
85 watts 30 CFM  
Hold-up Time: >20ms @ full load  
Overvoltage Protection: +15% of set voltage  
Overload Protection: Auto Recovery  
Minimum Loading: None  
Cross regulation: <0.5%  
Line & Load Regulation: <0.5%  
Turn on time: < 2 sec

Output (3)	+5V	+12V
ML75	5A	6.25A /7A 30CFM
Ripple mV p p	50	100

#### Environmental

Operational Temperature: 0 to 50°C  
Storage Temperature: -40 to 80°C  
Operational Humidity: 0 to 95%NC  
Storage Humidity: 0 to 95%NC  
Operational Altitude: -500 to 10,000 FT  
Storage Altitude: -500 to 40,000 FT  
MTBF: >1,000,000 hours @35C

#### EMC Compliance:

EMI: self contained EMI filtering for compliance to the following standards; (All measurements were made with unit mounted in chassis.)  
EN61000-4-2 ESD level3  
EN61000-4-3 RF susceptibility 3v/m  
EN61000-4-4 EFT level3  
EN61000-4-5 Surge Level3  
EN61000-3-3 Flicker  
EN61000-4-11 Voltage Dips, Short Interruptions  
EN55011 Conducted and radiated emissions


#### Notes:


1. Total Output from +5V & +12V is 75 watts, 85 watts 30 CFM
2. No minimum load.
3. Initial voltage tolerance  $\pm$ 3%

# ML75 75 WATT MEDICAL POWER SUPPLY

## Safety

Certified to UL2601-1, (File #E191947) 1994 and the standard for medical electrical equipment, part 1: general requirements for safety, Can/CSA C22.2 No. 125-M1984 and Can/ CSA C22.2 no. 601-1-M90 and IEC 601-1.

 For Continued protection equipment must be grounded at all times in accordance with the requirements of class 1 devices.

 RAM TECHNOLOGIES LLC declares that the PC and PCX power supplies are in conformity with the provisions of the low voltage directive.

## Symbols Used



Attention, consult accompanying documents

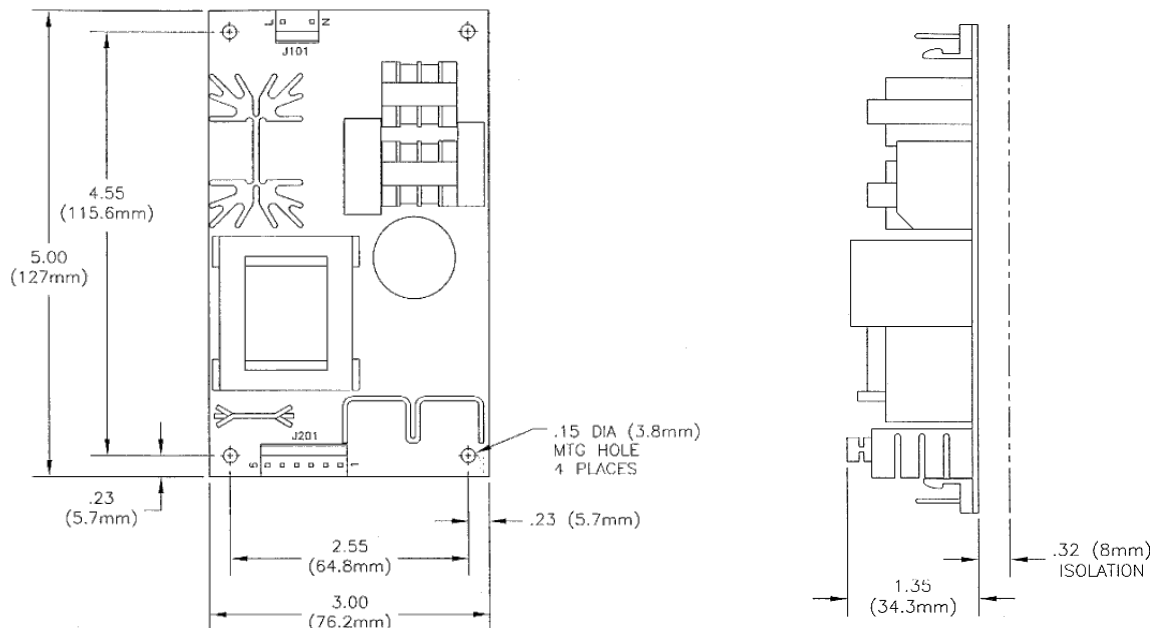


Protective earth ground

## Warranty

3 years

# Mechanical Specifications



### INPUT CONNECTIONS

Mating connector, Molex 09-50-8031 Pins 08-58-0111  
Pin 3 Lines, Pin 1 Neutral

### OUTPUT CONNECTIONS

Mating connector, Molex 09-50-8061 Pins 08-58-0111  
Pin1 +12V, Pin2 &3 +5V, Pin4 &5 ground