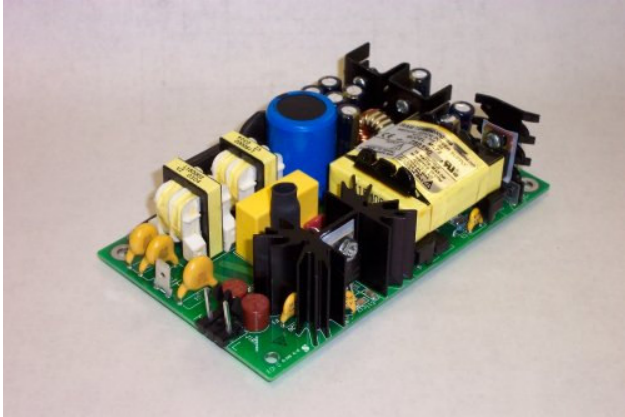


RAM Technologies

ML75 75 WATT MEDICAL POWER SUPPLY



The ML75-12-5 is a 75 Watt triple 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: < 65uA @ 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	-12V
ML75	5A	4.2A	2.4A
Ripple mV p p	50	100	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 50 watts, 60 watts 30 CFM
2. No minimum load unless the load on -12V is > 0.4A in which case the load on either +5V or +12V must be > 5 watts.
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

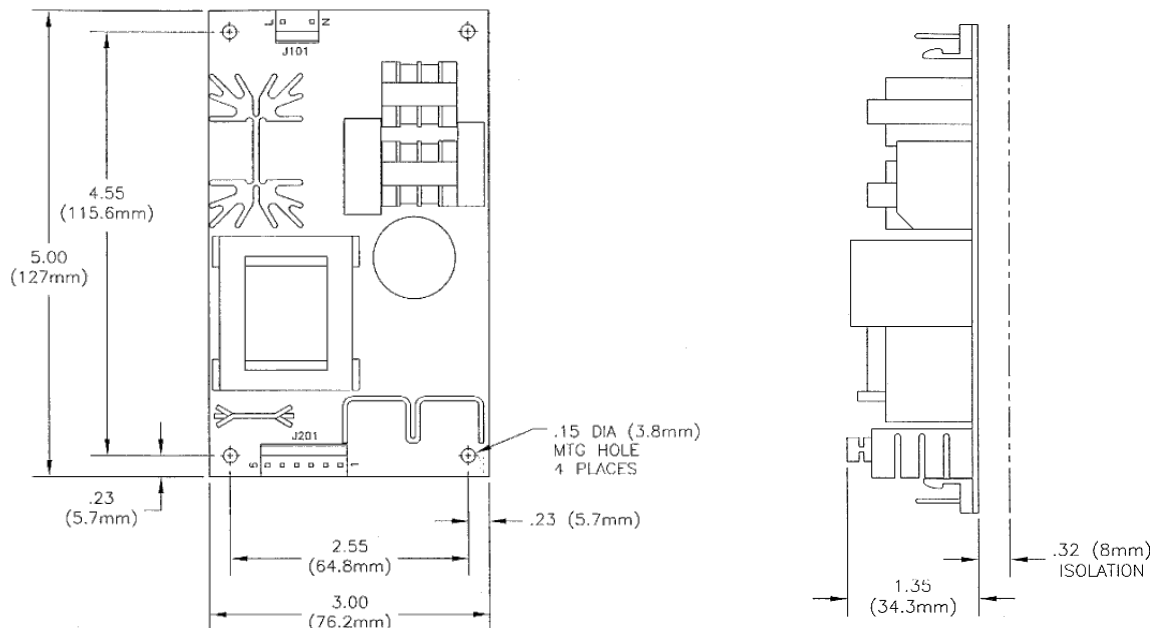


Protective earth ground

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, Pin6 -12V