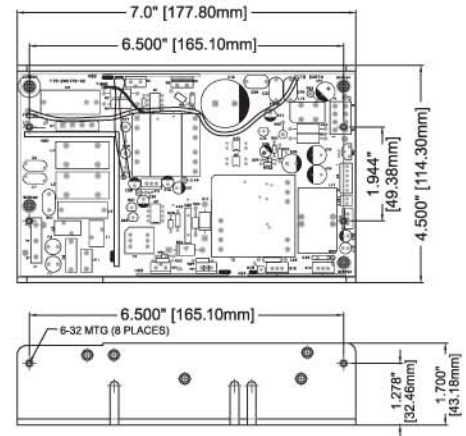


MSMP 150 Series

150 Watt Medical Grade Power Supply

- Wide Range AC Input
- Fully Regulated DC Output
- Output Floating
- High Efficiency
- Power Factor Correction
- Medical Grade Approval
- RoHS Compliant
- 5 Year Warranty



SPECIFICATIONS

INPUT

Voltage	100 - 240 VAC		
Current	5.0 Amp @ 100 VAC		
Frequency	47 - 63 Hz		
Max. Earth Leakage current	Test Voltage	Normal	Single
	132 VAC 60 Hz	75 uA	100 uA
	264 VAC 50 Hz	105 uA	175 uA

OUTPUT

Total regulation	< +/- 5%
Set point accuracy	< +/- 3% at 60% load
Hold up time	> 20 ms min at full load, 115 VAC
Over voltage protection	Built-in
Over current protection	Built-in
Short circuit protection	Pulsing mode, auto recovery
Ripple/noise (Vp-p)	1% (20 MHz bandwidth)

SAFETY

cTUVus	
UL 60601-1	CSA C22.2 No.601.1-M90
CB per IEC 60601-1	Class I
CE marked to LVD	

EMI/EMC

Emissions	CISPR 11 and FCC Part 15, Class B EN61000-3-2, -3, Class D
Immunity	EN61000-4-2, -3, -4, -5, -6, -8, -11

ENVIRONMENTAL

Operating temperature	0° C to 50° C
Storage temperature	-40° C to 85° C
Weight	2.0 lbs

PINOUT	1	2	3	4	5	6	7	8
Input J1	GND	-	AC Neut	-	AC Line	N/A	N/A	N/A
Signal J2	Inhibit	+ Sense	PG	- Sense	Common	PF	N/A	N/A
Output J3	Ret	Ret	V1	V1	Ret	Ret	V1	V1

Input and Output Connections

Input connector (J1) = MOLEX p/n 39-30-2056 or equiv.
 Input mating connector housing = MOLEX p/n 39-01-4051 or equiv.
 Input mating connector contact = MOLEX p/n 39-00-0182 or equiv.
 Signal connector (J2) = AMP p/n 641215-6 or equiv.
 Signal mating connector housing = AMP p/n 770602-6 or equiv.
 Signal mating connector contact = AMP p/n 770666-6 or equiv.
 Output connector (J3) = MOLEX p/n 39-29-9085 or equiv.
 Output mating connector housing = MOLEX p/n 39-01-2080 or equiv.
 Output mating connector contact = MOLEX p/n 39-00-0182 or equiv.
 Fan connector (J5) = AMP p/n 640456-2 or equiv.
 Fan mating connector = AMP p/n 640621-2 or equiv.

1	2
-	+

Inhibit (J2/P1): Signal pulled to output common (J2/P5) reduces V1 to less than 5% of nominal voltage. PG (J2/P3): TTL/CMOS signal high when V1 is in regulation. PF (J2/P6): TTL/CMOS signal low (<0.5V) when V1 is out of regulation after loss of AC power.

Model No.	Volt	Current A	Current B	Eff@115VAC (Typ)
MSMP15012F	12V	12.5A	15.0A	82%
MSMP15015F	15V	10.0A	12.0A	83%
MSMP15024F	24V	6.2A	7.5A	85%
MSMP15028F	28V	5.3A	6.4A	86%
MSMP15048F	48V	3.2A	3.8A	85%

Current A = Max. continuous current with unrestricted convection
 Current B = Max. continuous current with 150 LFM air
 180 Watts of continuous power with forced air,
 150 Watts with unrestricted natural convection