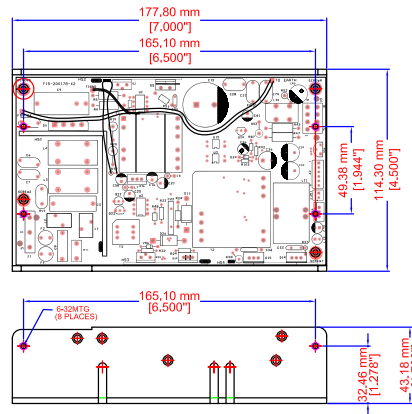


MSMP150F series

150 Watt Medical Grade Power Supply



Features

- Power factor correction
- Wide range AC input
- Fully regulated output
- Floating output
- High efficiency
- Medical grade approval
- 5 year warranty
- RoHS Compliant

Environmental

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

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

Safety

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

Polarity	1	2	3	4	5	6	7	8
Input J1	GND	-	Neutral	-	Line	N/A	N/A	N/A
Signal J2	Inh- bit	+ Sense	PG	- Sense	Com- mon	PF	N/A	N/A
Output J3	Ret	Ret	+V	+V	Ret	Ret	+V	+V

Input and Output Connections

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

Electrical Specifications

Input

- Voltage..... 100 - 240 VAC
- Current..... 5.0 Amp @ 100 VAC
- Frequency..... 47 - 63 Hz
- Max. Earth leakage current:

Test Voltage	Normal	Single-fault
132 VAC 60 Hz	75 uA	100 uA
264 VAC 50 Hz	105 uA	175 uA

Output

- Total regulation..... <+/- 5%
- 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 (V_{p-p})..... 1% (20 MHz bandwidth)
- Set point accuracy..... <+/- 3% of rated output

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
- Fan connector (J5) = AMP p/n 640456-2
- Fan mating connector = AMP p/n 640621-2

1	2
-	+

ORDERING INFORMATION

- MSMP = Series
- 150 = Watts DC Output (Max.)
- XX = Voltage DC Output
- F = RoHS Compliant

Rev 0507