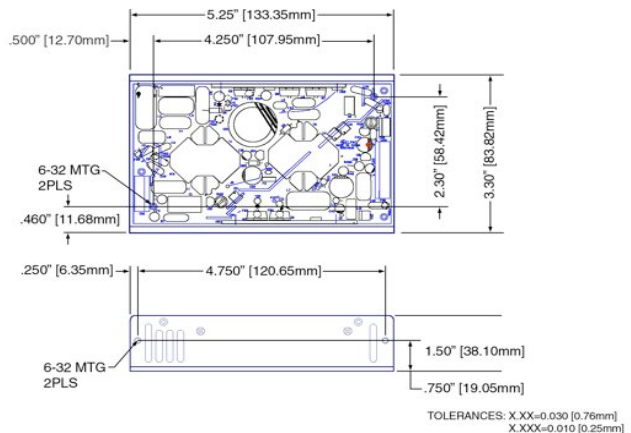
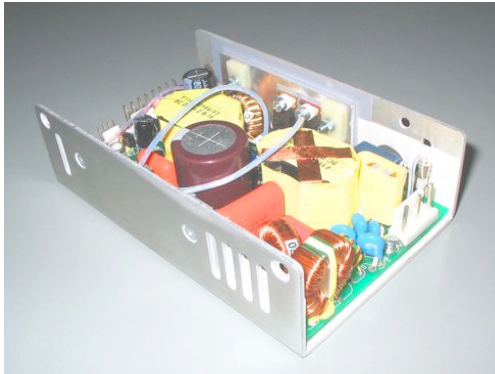


MSMP115 series

115 Watt Medical Grade Power Supply



Features

- 115 Watts of continuous power with forced air, 80 Watts with unrestricted natural convection
- Power factor correction
- Wide range AC input
- Fully regulated output
- High efficiency
- Medical grade approval
- 5 year warranty
- RoHS Compliant

Environmental

- Operating temperature..... 0° C to 50° C
- Storage temperature..... -55° C to 85° C
- Weight = 1.1 lbs (499 g)

EMI/EMC

- Meets FCC class B, CISPR 11 class B
- EMC per EN60601-1-2
- EN 61000-3-2 Class D
- EN 61000-3-3

Safety

UR/cUR UL2601-1 CE Marked EN60601-1-2:2001

Polarity	1	2	3	4	5	6	7	8
Input P1	Line	-	Neutral	-	GND	N/A	N/A	N/A
Signal P2	Power Fail	- Sense	+ Sense	Com	N/A	N/A	N/A	N/A
Output P3	+V	+V	+V	+V	Ret	Ret	Ret	Ret

Input and Output Connections

- Input connector (CN1) = AMP p/n 640445-5
- Input mating connector = AMP p/n 640250-5
- Signal connector (CN2) = AMP p/n 640456-4
- Signal mating connector = AMP p/n 640621-4
- Mating connector contacts = AMP p/n 770476-*
- Output connector (CN3) = AMP p/n 640445-8
- Output mating connector = AMP p/n 640250-8

Electrical Specifications

Input

- Voltage..... 85 - 264 VAC
- Current..... 2.0 Amp @ 100 VAC
- Frequency..... 47 - 63 Hz
- Max. Earth leakage current:

Test Voltage	Normal	Single-fault
132 VAC 60 Hz	90 uA	150 uA
264 VAC 50 Hz	144 uA	250 uA

Output

- Total regulation..... TYP +/- 2%
- Hold up time..... 25 ms min at full load, 115 VAC
- Transient response..... 500 ms for 50% to 100% load change
- Over voltage protection..... Built-in
- Over current protection..... Built-in
- Short circuit protection..... Pulsing mode, auto recovery
- Efficiency..... 74% min at full load and 115 VAC
- Ripple/noise (V_{p-p})..... 1% (20 MHz bandwidth)

Model No.	Voltage	Current (A)	Current (B)
MSMP11512F	12V	6.7A	9.6A
MSMP11515F	15V	5.3A	7.7A
MSMP11524F	24V	3.3A	4.8A
MSMP11528F	28V	2.9A	4.1A

Current A = Max. continuous current with unrestricted convection
Current B = Max. continuous current with 150 LFM air

Fan connector (CN4) = AMP p/n 640456-2	1	2
Fan mating connector = AMP p/n 640621-2	+	-

ORDERING INFORMATION

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