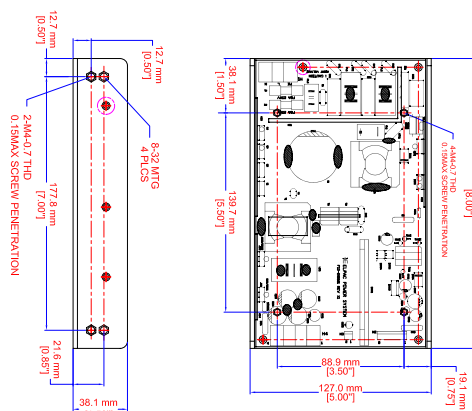


MSMP250F series

250 Watt Medical Grade Power Supply



Features

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

Environmental

Operating temperature..... 0° C to 50° C
 Storage temperature..... -40° C to 85° C
 Weight = 2.1 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
 CE marked to LVD

Safety

cTUVus
 Medical grade: UL 60601-1 CSA C22.2 No.601.1-M90
 CB per IEC 60601-1
 ITE grade: UL 60950-1 CSA C22.2 No.60950-1
 CB per IEC 60950-1

Polarity	1	2	3	4	5	6	7	8
Input H1	Line	Neutral	GND	N/A	N/A	N/A	N/A	N/A
Signal H2	DC-Good	AC-Fail	Remote On/Off	+ Sense	- Sense	Return	N/A	+5V Aux
Output H4	+V	+V	Ret	Ret	N/A	N/A	N/A	N/A

Input and Output Connections

Input connector (H1) = AMP p/n BTB555-10-03
 Signal connector (H2) = AMP p/n 640456-8 or equivalent
 Signal mating connector = AMP p/n 640440-8 or equivalent
 Output connector (H4) = AMP p/n BTB555-10-04

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	100 uA	200 uA
264 VAC 50 Hz	180 uA	360 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)
MSMP25012F	12V	20.0A	28.0A	87%
MSMP25015F	15V	16.5A	23.0A	88%
MSMP25024F	24V	10.5A	14.5A	87%
MSMP25028F	28V	9.0A	12.5A	88%
MSMP25048F	48V	5.3A	7.4A	88%

Current A = Max. continuous current with unrestricted convection
 Current B = Max. continuous current with 26 CFM air flow
 350 Watts of continuous power with forced air,
 250 Watts with unrestricted natural convection
 Fan connector (H3) = AMP p/n 640456-2
 Fan mating connector = AMP p/n 640440-2

1	2
+	-

ORDERING INFORMATION

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

Rev 0207