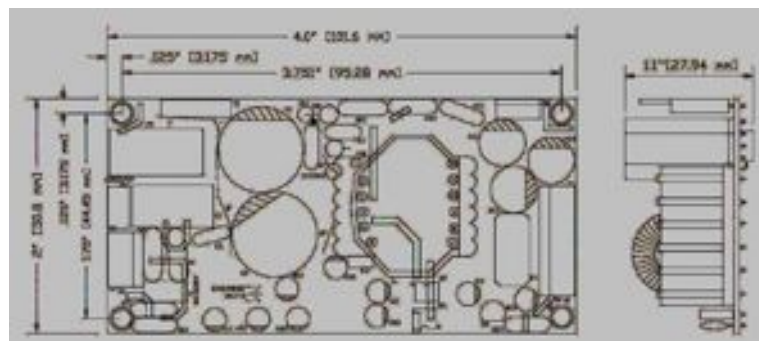


MSM80F series

80 Watt Medical Grade Power Supply



Features

- Wide range AC input
- Fully regulated output
- High efficiency
- Medical grade approval
- Dimensions meet 1U applications
- 5 year warranty
- RoHS Compliant

EMI/EMC

- Meets FCC class B, CISPR 11 class B
- EMC per EN60601-1-2

Safety

- cTUVus
- CSA C22.2 No. 60601.1-M90 UL 60601-1
- CB per IEC 60601-1 CE Marked To LVD

Polarity	1	2	3	4	5	6
Input P1	Line	-	Neut.	-	-	-
Output P2	+V	+V	Com	Com	-	-

Input and Output Connections

- Input connector = AMP p/n 640445-3 or equivalent
- Input mating connector = AMP p/n 640250-3 or equivalent
- Output connector = AMP p/n 640445-6 or equivalent
- Output mating connector = AMP p/n 640250-6 or equivalent

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	60 uA	95 uA
264 VAC 50 Hz	115 uA	185 uA

Output

- Total regulation..... <+/- 5%
- Set point accuracy..... TYP +/- 3%
- 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)

Environmental

- Operating temperature..... 0° C to 50° C
- Storage temperature..... -40° C to 85° C
- Weight = 0.30 lbs

Model No.	Volt	Power	Current A	Current B	Eff @ 115VAC (Typ)
MSM8009F	9V	80W	6.6A	8.8A	88%
MSM8012F	12V	80W	5.0A	6.6A	89%
MSM8015F	15V	80W	4.0A	5.3A	89%
MSM8024F	24V	80W	2.5A	3.4A	90%

Maximum Output Power

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

Rev 1006 C