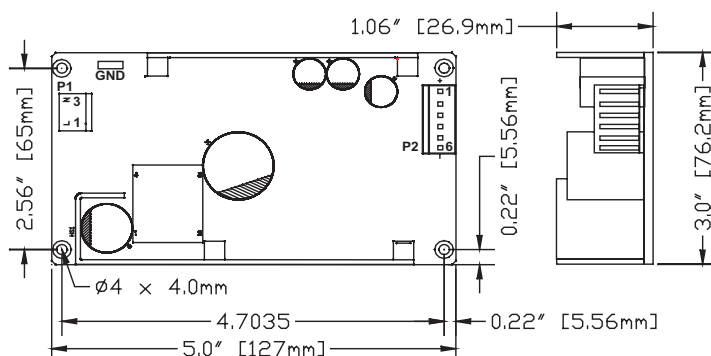


# MSM40 series

## 40 Watt Medical Grade Power Supply



### Features

- Wide range AC input
- Fully regulated output
- High efficiency
- Medical grade approval
- 5 year warranty

### Environmental

- Operating temperature..... 0° C to 50° C
- Storage temperature..... -55° C to 85° C
- Weight = 0.40 lbs

### EMI/EMC

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

### Safety

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

### Input and Output Connections

- Input connector (P1) = AMP p/n 640445-3
- Input mating connector = AMP p/n 640250-3
- Output connector (P2) = AMP p/n 640445-6
- Output mating connector = AMP p/n 640250-6
- Mating connector contacts = AMP p/n 770476-1

| Polarity  | 1       | 2   | 3          | 4   | 5   | 6   |
|-----------|---------|-----|------------|-----|-----|-----|
| Input P1  | AC Line | -   | AC Neutral | -   | -   | -   |
| Output P2 | +V1     | +V1 | +V1        | Com | Com | Com |

Input P1 GND 0.25" FASTON TAB

### Electrical Specifications

#### Input

- Voltage..... 90 - 264 VAC
- Current..... 0.72 Amp @ 100 VAC
- Frequency..... 47 - 63 Hz
- Max. Earth leakage current:

| Test Voltage  | Normal | Single-fault |
|---------------|--------|--------------|
| 132 VAC 60 Hz | 25 uA  | 45 uA        |
| 264 VAC 50 Hz | 45 uA  | 90 uA        |

#### Output

- Line regulation..... TYP +/- 0.5%
- Load regulation..... TYP +/- 2%
- Hold up time..... 20 ms min at full load, 115 VAC
- Transient response..... 2 ms for 50% load change typical
- Over voltage protection..... Built-in
- Over current protection..... 150% of max load
- Short circuit protection..... Pulsing mode, auto recovery
- Efficiency..... 80% min at full load and 115 VAC
- Ripple/noise ( $V_{p-p}$ )..... +/- 0.5% (20 MHz bandwidth)

| Model No. | Voltage | Power | Current |
|-----------|---------|-------|---------|
| MSM4012   | 12V     | 40W   | 3.3A    |
| MSM4015   | 15V     | 40W   | 2.6A    |
| MSM4018   | 18V     | 40W   | 2.2A    |
| MSM4024   | 24V     | 40W   | 1.67A   |