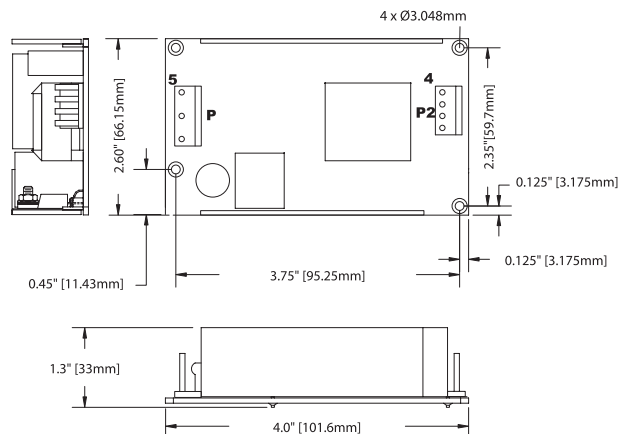


# MSM28 series

## 28 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 = 0.30 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

| Polarity   | 1         | 2   | 3          | 4   | 5       |
|------------|-----------|-----|------------|-----|---------|
| Input CN1  | Earth Gnd | -   | AC Neutral | -   | AC Line |
| Output CN2 | Com       | Com | +V1        | +V1 | -       |

### Input and Output Connections

- Input connector (P1) = AMP p/n 640445-5
- Input mating connector = AMP p/n 640250-5
- Output connector (P2) = AMP p/n 640445-4
- Output mating connector = AMP p/n 640250-4
- Mating connector contacts = AMP p/n 770476-1

### Electrical Specifications

#### Input

- Voltage..... 100 - 240 VAC
- Current..... 0.55 Amp @ 100 VAC
- Frequency..... 50 - 60 Hz
- Max. Earth leakage current:

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

#### Output

- Line regulation..... TYP +/- 0.5%
- Load regulation..... TYP +/- 2%
- Hold up time..... 15 ms min at full load, 115 VAC
- Transient response..... 2 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..... 80% min at full load and 115 VAC
- Ripple/noise (V<sub>p-p</sub>)..... 1% (20 MHz bandwidth)

| Model No. | Voltage | Power | Current |
|-----------|---------|-------|---------|
| MSM2812   | 12V     | 28W   | 2.3A    |
| MSM2815   | 15V     | 28W   | 1.9A    |
| MSM2824   | 24V     | 28W   | 1.2A    |