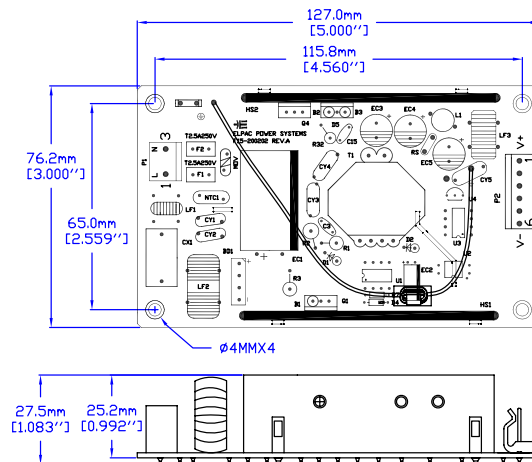


# MS40F series

## 40 Watt Medical Grade AC Adapter



### Features

- 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..... -40° C to 85° C
- Weight = 0.40 lbs

### 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	AC Line	-	AC Neut	-	-	-
Output P2	+V	+V	+V	Com	Com	Com

### Input and Output Connections

- Input connector (P1) = MOLEX p/n 09-65-2038 or equivalent
- Input mating connector = MOLEX p/n 09-50-1031 or equivalent
- Output connector (P2) = MOLEX p/n 09-65-2068 or equivalent
- Output mating connector = MOLEX p/n 09-50-1061 or equivalent
- Input P1 GND 0.25" FASTON TAB
- Mating connector contacts = AMP p/n 3-770476-1 or equivalent

### Electrical Specifications

#### Input

- Voltage..... 85 - 264 VAC
- Current..... 1.0 Amp @ 100 VAC
- Frequency..... 47 - 63 Hz
- Max. Earth leakage current:

Test Voltage	Normal	Single-fault
132 VAC 60 Hz	50 uA	80 uA
264 VAC 60 Hz	75 uA	135 uA

#### Output

- Total regulation..... <+/- 5%
- Set point accuracy..... <+/- 3% of rated output
- Hold up time..... >16 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<sub>p-p</sub>)..... <1% (20MHz Bandwidth)

Model No.	Voltage	Power	Current	Eff @ 115VAC (Typ)
MS4009F	9V	40W	4.4A	84%
MS4012F	12V	40W	3.3A	86%
MS4015F	15V	40W	2.7A	86%
MS4018F	18V	40W	2.2A	86%
MS4024F	24V	40W	1.67A	88%