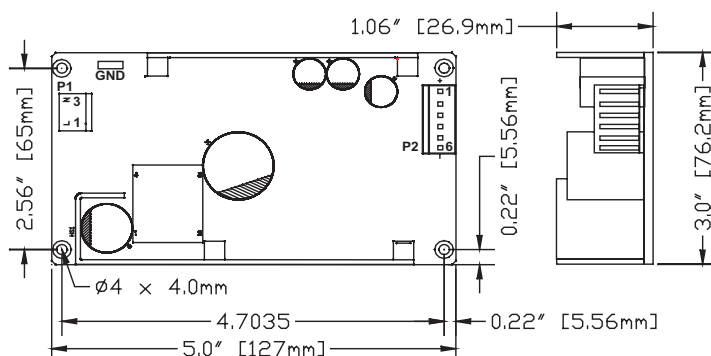


MSM40 series

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 μ A	45 μ A
264 VAC 50 Hz	45 μ A	90 μ A

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