

37.5 ~ 64 Watts Single/Dual/Triple Output Open Frame Type for Medical

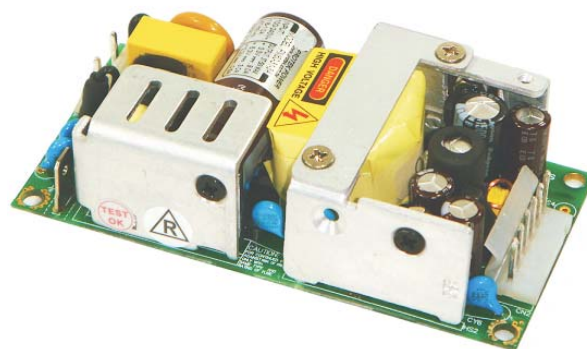
FEATURES

- ♦ Universal Input
- ♦ BF Class insulation & Level B emissions
- ♦ Overload and short circuit protection
- ♦ Compact size 2" x4" x1.18"

SPECIFICATIONS

Input Voltage Range.....90~264VAC
 Input Current (rms).....1.3A Max.
 Efficiency.....80-88% typical
 Earth leakage/Touch current.....150uA/100uA max. @ 264VAC/63Hz
 Operating Temperature.....-10°C ~ +70°C
 (derated linearly from 100% load @ 50°C to 50% load @ 70°C)
 Storage Temperature.....-40°C ~ 85°C
 Relative Humidity.....5% to 95% non-condensing
 Protections.....OVP, OCP, Short Circuit Protection
 Withstand Voltage.....I/P-O/P: 5656VDC
 Cooling.....convection-cooled
 Safety Standard.....UL ES60601-1, CSA C22.2 No. 60601-1, CE
 EMC Standard.....EN55011, EN55022 Class B
 EN61000-3-2,-3, EN61000-4-2, 3, 4, 5, 6, 8, 11

All Specifications are Typical at Nominal Line, full Load and 25°C.
 Unless Otherwise Noted.



Model Number	Output Voltage (VDC)	Output Current (A)	Total Regulator (%)	R-N Max. (mV)	Max. Watts
FPM060-S050	5.00	11.0	± 2	100	55W
FPM060-S120	12.0	5.00	± 2	120	60W
FPM060-S150	15.0	4.30	± 2	150	64W
FPM060-S240	24.0	2.70	± 2	240	64W
FPM060-S480	48.0	1.35	± 2	480	64W

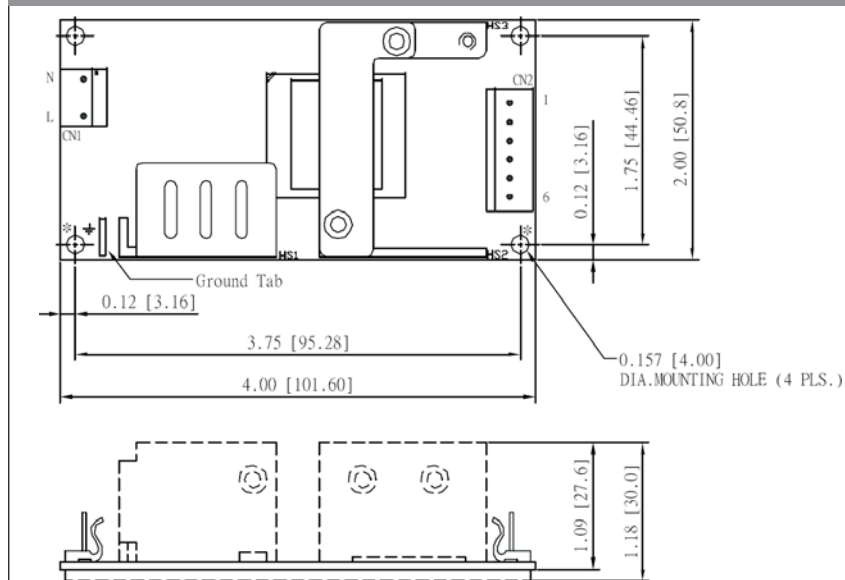
Note:

Ripple and noise is maximum peak to peak voltage value measured at output within 20 MHz bandwidth, at rated line voltage and output load ranges, and with a 10 uF tantalum capacitor in parallel with a 0.1 uF ceramic capacitor across the output.

Model Number	Output #1				Output #2				Output #3				Max. Output Power
	V1	Iomin	Iomax	Tol.	V2	Iomin	Iomax	Tol.	V3	Iomin	Iomax	Tol.	
FPM060-D023	+5V	0.5A	6.0A	±3%	+12V	0.1A	3.0A	±5%					55W
FPM060-D025	+5V	0.5A	6.0A	±3%	+24V	0.1A	1.5A	±5%					55W
FPM060-T031	+5V	0.5A	6.0A	±3%	+12V	0.1A	3.0A	±5%	-12V	0.0A	0.5A	±4%	55W
FPM060-T031-5	+5V	0.5A	6.0A	±3%	+3.3V	0.0A	1.5A	±5%	+12V	0.0A	0.5A	±4%	37.5W
FPM060-T032	+5V	0.5A	6.0A	±3%	+15V	0.1A	2.4A	±5%	-15V	0.0A	0.5A	±4%	55W
FPM060-T039	+5V	0.5A	6.0A	±3%	+24V	0.1A	1.5A	±5%	-12V	0.0A	0.5A	±4%	55W

- * The output voltages of a multiple output model may go outside of the stated tolerance when an output load current is out of stated limits. All models may be operated at no-load without damage.
- * Maximum current of output #1 of multi-output models can be 8 A at 5 CFM forced air provided by user.

MECHANICAL DRAWING (Unit: mm)



OUTPUT CONNECTOR PIN CHART

PIN NO	SINGLE	DUAL	TRIPLE
1	+V1	V1	V1
2			
3			
4	V1 Return	Common Return	Common Return
5	N.C.	N.C.	V3
6		V2	V2

Connector:

CN1:Molex header 09-65-2038 or equivalent, mating with Molex housing 09-50-1031 or equivalent.
 CN2:Molex header 09-65-2068 or equivalent, mating with Molex housing 09-50-1061 or equivalent.

- * Weight: 205g approx.
- * Tolerance: 0.02 [0.5] maximum
- * Dimensions in inches(mm)

Note

1. Ground tab is 0.25 [6.35] x 0.032 [0.8] fast-on connector
2. To ensure compliance with level B emissions, connect the two " * " marked mounting holes with metallic standoffs to chassis.