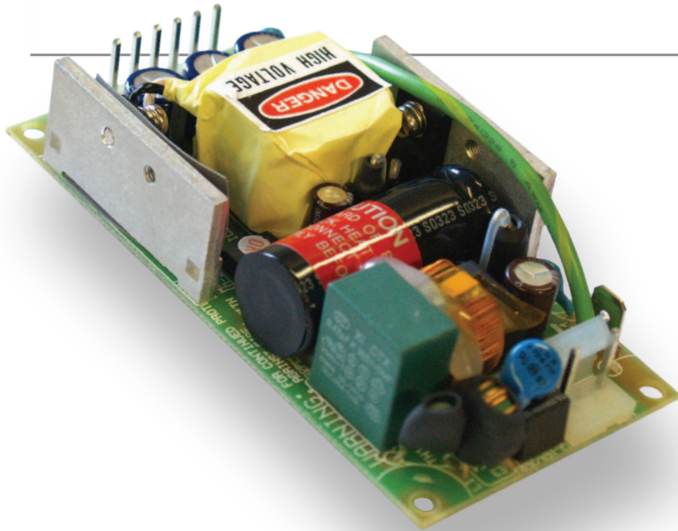


APS43MI SERIES:



42-56 Watt Switcher

- 4.00 x 2.00 x 0.92" Open Frame PCB

Features:

- Universal AC Input
- EN61000-3-2 Class B Compliant
- Medical Safety Approvals UL/EN 60601-1
- 2 Year Warranty

INPUT:

Input Voltage	Universal Input (90~264 VAC)
Input Frequency	47-63Hz
Inrush Current	12.00ArmsA @ 240 VAC Cold Start
Input Current	0.9A (max continuous)
Input Protection	Dual Fuse
Hold-Up Time	11.2mS @ 115 VAC / 72mS @ 230 VAC
Leakage Current	<100µA @ 230 VAC Maximum

GENERAL:

Efficiency	80~90% minimum
Operating Temperature	0-40°C Full Load, derate 1.3W/°C from 40°C to 50°C
Storage Temperature	-20°C to +85°C
Over-Temp Protection	>85°C Shutdown (Ambient)
Cooling	5 cfm Airflow
Operating Humidity	5-90% RH, Non-Condensing
Vibration	5 ~ 50 Hz, acceleration 7.35 m/s*s on X,Y and Z Axis
MTBF	>100k Hrs (according to MIL-HBK-217F) at 30°C

OUTPUT:

Adjustment Range	Fixed at Factory
Minimum Load	V1only (±10)
Regulation	V1 = ±1%, V2 = ±3~8% , V3 = ±5% max
Ripple & Noise	±1% typical pk-pk @ 20MHz
Overload Protection	115-140% of max power (Hiccup Mode)
Over Voltage	Latching before 130% of nominal (V1 only)
Short Circuit Protection	Trip without damage & auto-recovery
Overshoot	Turn-on & off overshoot < 5% over nominal voltage

EMC:

Electrostatic Discharge	EN61000-4-2, ±4KV Contact / ±8KV Air Discharge
Radiated Susceptibility	EN61000-4-3, 26-1000MHz, 10V/M, 80% AM
EFT / Bursts	EN61000-4-4, ±2KV
Surges	EN61000-4-5, ±2KV Line-Earth, ±1KV Line-Line
Conducted Immunity	EN61000-4-6, 0.15-800MHz, 10V, 80% AM
Voltage Dips	EN61000-4-100, 95% Dip & 10ms, 30% Dip & 500ms
Voltage Interruptions	EN61000-4-11, 95% reduction, 5s
Fluctuations & Flicker	EN61000-3-3

APPROVALS:

Emissions EN55022 "B", FCC Part 15 Subject J Class B

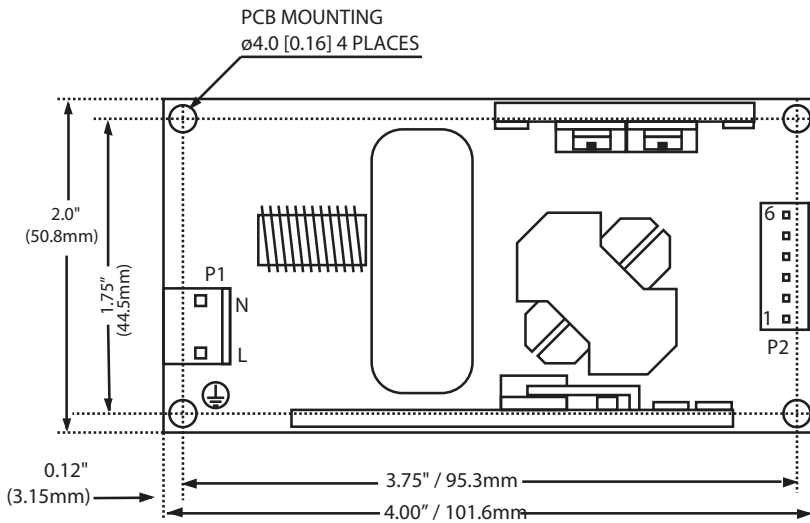
Safety Approvals cTUVus EN60950-1
CE Mark (LVD)

APS43MI Series:

Output Specifications:

Model:	V1	A1
APS43MI-S120350	12V	3.50A
APS43MI-S150270	15V	2.70A
APS43MI-S240170	24V	1.70A
APS43MI-S480085	48V	0.85A

OUTLINE DRAWING:



Connectors / Pin Assignments

Mating Connector is Molex 5195 / 5239 Series

INPUT CONNECTION:

Pin	Function
P1-L	LINE
P1-N	NEUTRAL

OUTPUT CONNECTION:

PIN	---- FUNCTIONS ----	
	SINGLES	TRIPLES
P2-1	V1 OUT	V1 OUT
P2-2	V1 OUT	V1 OUT
P2-3	DC COM	DC COM
P2-4	DC COM	DC COM
P2-5	-	V3 OUT
P2-6	-	V2 OUT

