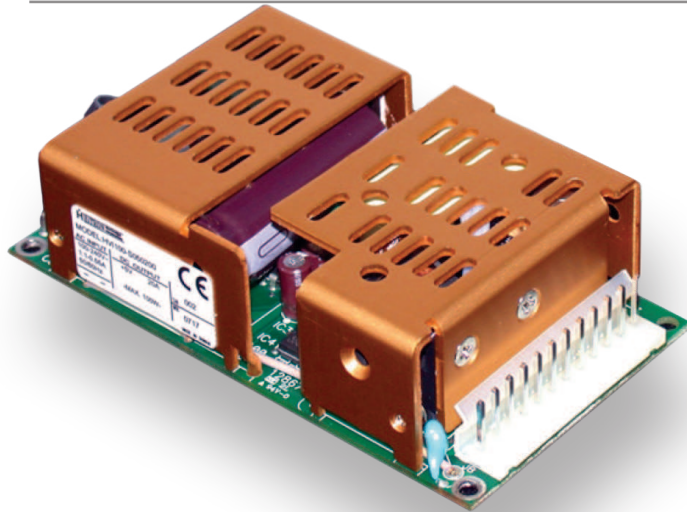


APS100MI SERIES:



100 Watt Medical Switcher

- 4.50 x 2.50 x 1.20" Open Frame PCB

Features:

- Universal AC Input
- EN6100-3-2 Class A Compliant
- High Density Open-Frame Package
- International Medical Safety Approvals
- 2 Year Warranty

INPUT:

Input Voltage	Universal Input (90~264 VAC)
Input Frequency	47-63Hz
Inrush Current	9.68ArmsA @ 240 VAC Cold Start
Input Current	1.8A (max continuous)
Input Protection	Dual Fuse
Hold-Up Time	12.8mS @ 115 VAC / 76mS @ 230 VAC
Leakage Current	<189µA @ 230 VAC Maximum
Power Factor	EN61000-3-2 Class A Compliant

GENERAL:

Efficiency	74~80% minimum
Operating Temperature	0-50°C Full Load, derate linearly to 50% Load at 70°C
Storage Temperature	-20°C to +85°C
Over-Temp Protection	Included
Cooling	Convection Cooled Operation
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	±5% (tracking)
Minimum Load	10% on V1 for Multi Output Models Only
Regulation	V1 & V2 = ±1%, V3 & V4 = ±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	EN61000-4-10, 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

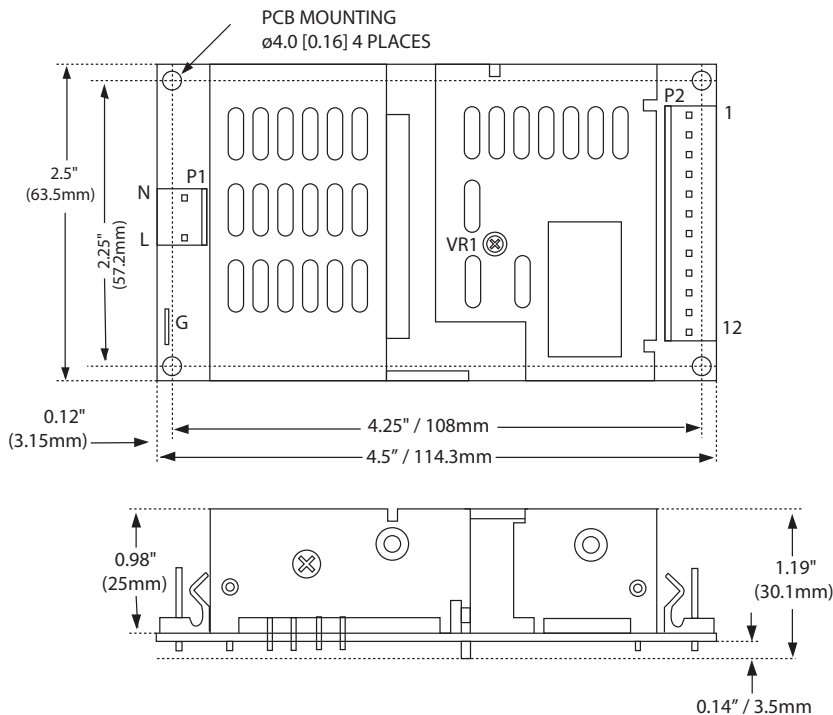
Safety Approvals cTUVus 60601-1
EN60950-1
CE Mark (LVD)

APS100MI Series:

Output Specifications:

Model:	V1	A1	V2	A2	V3	A3	V4	A4
APS100MI-033160	3.3 V	16.0A						
APS100MI-050200	5.0 V	20.0A						
APS100MI-070143	7.0V	14.3A						
APS100MI-090111	9.0 V	11.1A						
APS100MI-120075	12.0 V	7.5A						
APS100MI-150060	15.0 V	6.0A						
APS100MI-240042	24.0V	4.2A						
APS100MI-330030	33.0 V	3.0A						
APS100MI-480021	48.0 V	2.1A						
APS100MI-D050I	+ 5.0V	12.0A	+12.0V	3.0A				
APS100MI-D050K	+5.0V	12.0A	+15.0V	3.0A				
APS100MI-T050II	+5.0V	10.0A	+12.0 V	3.0A	-12.0 V	0.8A		
APS100MI-T050IE	+5.0V	10.0A	+12.0 V	3.0A	-5.0 V	0.8A		
APS100MI-T050KK	+5.0V	10.0A	+15.0 V	2.5A	-15.0 V	0.8A		
APS100MI-T050KE	+5.0V	10.0A	+15.0 V	3.0A	- 5.0 V	0.8A		
APS100MI-T050MI	+5.0V	10.0A	+24.0 V	1.5A	-12.0 V	0.8A		
APS100MI-Q050IIE	+5.0V	10.0A	+12.0 V	3.0A	-12.0V	0.8A	-5.0 V	0.5A
APS100MI-Q050KKE	+5.0V	10.0A	+15.0 V	3.0A	-15.0V	0.8A	-5.0 V	0.5A
APS100MI-Q050MII	+5.0V	10.0A	+24.0 V	1.5A	+12.0V	0.8A	-12.0 V	0.5A
APS100MI-Q050MKK	+5.0V	10.0A	+24.0 V	1.5A	+15.0V	0.8A	-15.0 V	0.5A

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	DUALS	TRIPLES	QUADS
P2-1	V1 OUT	V1 OUT	V1 OUT	V1 OUT
P2-2	V1 OUT	V1 OUT	V1 OUT	V1 OUT
P2-3	V1 OUT	V1 OUT	V1 OUT	V1 OUT
P2-4	V1 OUT	V1 OUT	V1 OUT	V1 OUT
P2-5	DC COM	DC COM	DC COM	DC COM
P2-6	DC COM	DC COM	DC COM	DC COM
P2-7	DC COM	DC COM	DC COM	DC COM
P2-8	DC COM	DC COM	DC COM	DC COM
P2-9	-	V2 OUT	V2 OUT	V2 OUT
P2-10	-	V2 OUT	V2 OUT	V2 OUT
P2-11	-	-	-	V4 OUT
P2-12	-	-	V3 OUT	V3 OUT