

## APS10AS SERIES:



### 10 Watt Medical Switcher

- 3.77 x 2.16 x 1.00" Encapsulated Package

#### Features:

- Universal AC Input
- EN6100-3-2 Compliant
- Green Power Design
- International Medical Safety Approvals
- 2 Year Warranty

#### INPUT:

Input Voltage	Universal Input (90~264 VAC)
Input Frequency	47-63Hz
Inrush Current	4.2A @ 240 VAC Cold Start
Input Current	0.16A @ 115 VAC / 0.1A @ 230 VAC
Input Protection	Use External Fuse
Hold-Up Time	22mS @ 115VAC / 130ms @ 230VAC Typical
Leakage Current	<160µA @ 230 VAC Maximum
Green Power	0.25W @132 / 0.51W @ 230 VAC No Load Consumption

#### OUTPUT:

Adjustment Range	Fixed
Minimum Load	None
Regulation	<1.9% Total Regulation (typical)
Ripple & Noise	1% or 100mV, which ever is greater
Overload Protection	125-150% of max power (Hiccup Mode)
Over Voltage	Latching before 130% of nominal (V1 only)
Short Circuit Protection	Trip without damage & auto-recovery
Transient Response	< 70mV peak deviation, 3msec recovery

#### GENERAL:

Efficiency	70~80% minimum
Operating Temperature	0-50°C Full Load
Storage Temperature	-20°C to +85°C
Over-Temp Protection	Included
Cooling	Convection
Operating Humidity	5-90% RH, Non-Condensing
Vibration	5 ~ 50 Hz, acceleration 7.35 m/s*s on X,Y and Z Axis

#### 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 EN55011 / EN55022 "B"  
FCC Part 15 Subject J Class B

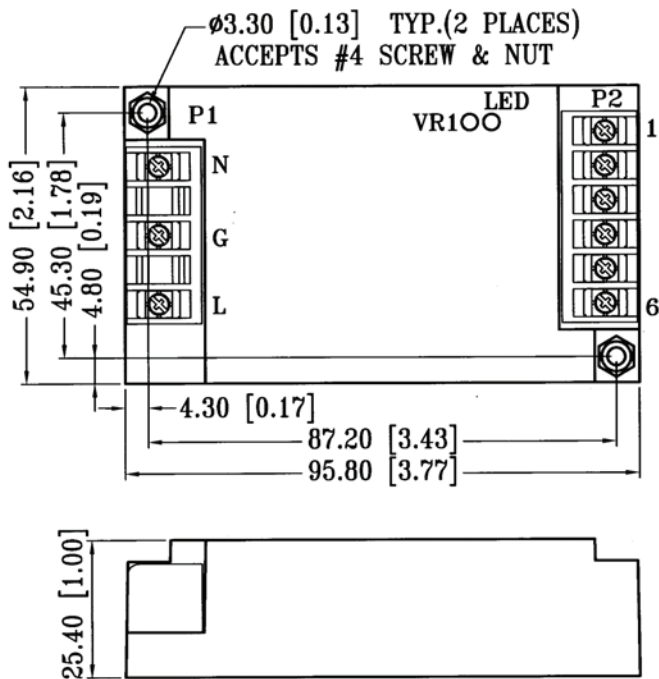
Safety Approvals UL/EN 60950-1  
CE Mark (LVD)

## APS10AS SERIES:

**Output Specifications:**

Model:	V1	A1	V2	A2	V3	A3
APS10AS-S033250	3.3V	2.50A				
APS10AS-S050200	5V	2.00A				
APS10AS-S090111	9V	1.11A				
APS10AS-S120085	12V	0.85A				
APS10AS-S150067	15V	0.67A				
APS10AS-S240041	24V	0.41A				
APS10AS-D050E	+5V	1.00A	-5V	1.00A		
APS10AS-D050I	+5V	1.00A	+12V	0.42A		
APS10AS-D120I	+12V	0.42A	-12V	0.42A		
APS10AS-D150K	+15V	0.34A	-15V	0.34A		
APS10AS-D033E	3.3V	1.51A	-5V	1.00A		
APS10AS-T033II	+3.3V	1.51A	+12V	0.10A	-12V	0.10A
APS10AS-T050II	+5V	1.50A	+12V	0.10A	-12V	0.10A
APS10AS-T050KK	+5V	1.40A	+15V	0.10A	-15V	0.10A

**OUTLINE DRAWING:**



**PIN ASSIGNMENT**

PIN NO.	SINGLE O/P	DUAL O/P(-VO2)	DUAL O/P(+VO2)	TRIPLE O/P
P1-1	L	L	L	L
P1-3	N	N	N	N
P1-2	G	G	G	G
P2-1	REMOTE ON/OFF	REMOTE ON/OFF	REMOTE ON/OFF	REMOTE ON/OFF
P2-2	DC COM	VO2	DC COM	+VO1RET
P2-3	DC COM	DC COM	DC COM	+VO1
P2-4	VO1	DC COM	VO1	+VO3
P2-5	VO1	VO1	VO2	DC COM
P2-6	NC	NC	NC	VO2

**DERATING CHART**

