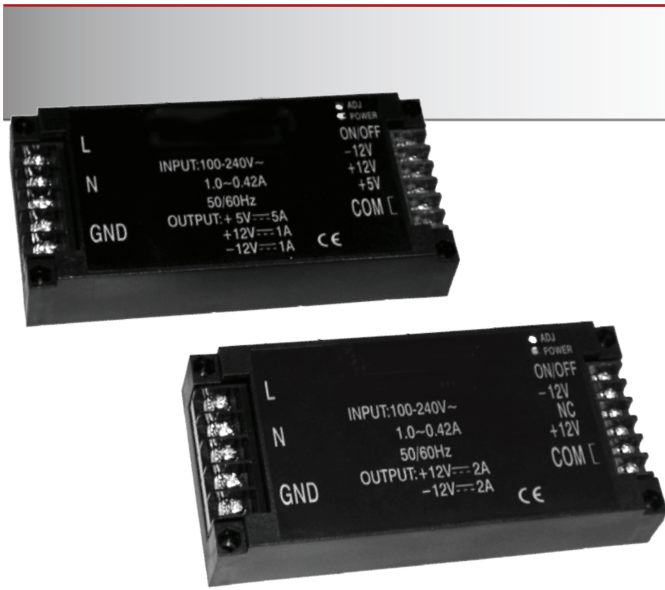


## APS50AS-D/T SERIES:



### 50 Watt Medical Switcher

- 5.33 x 2.56 x 1.00" Encapsulated Package

#### Features:

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

#### INPUT:

Input Voltage	Universal Input (90~264 VAC)
Input Frequency	47-63Hz
Inrush Current	34A @ 240 VAC Cold Start
Input Current	0.76A @ 115 VAC / 0.39A @ 230 VAC
Input Protection	Use External Fuse
Hold-Up Time	18mS @ 115VAC / 82ms @ 230VAC Typical
Leakage Current	<460µA @ 230 VAC Maximum

#### OUTPUT:

Adjustment Range	-10~+20% (Trim Pot)
Minimum Load	None
Regulation	0.1% Lline / 0.1% Load Typical
Ripple & Noise	1% pk-pk typical
Overload Protection	125-150% of max power (Hiccup Mode)
Over Voltage	Foldback, about 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	-10-50°C Full Load
Storage Temperature	-40°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	EN61000-4-100, 95% Dip & 10ms, 30% Dip & 500ms
Voltage Interruptions	EN61000-4-11, 95% reduction, 5s
Fluctuations & Flicker	EN61000-3-3

#### APPROVALS:

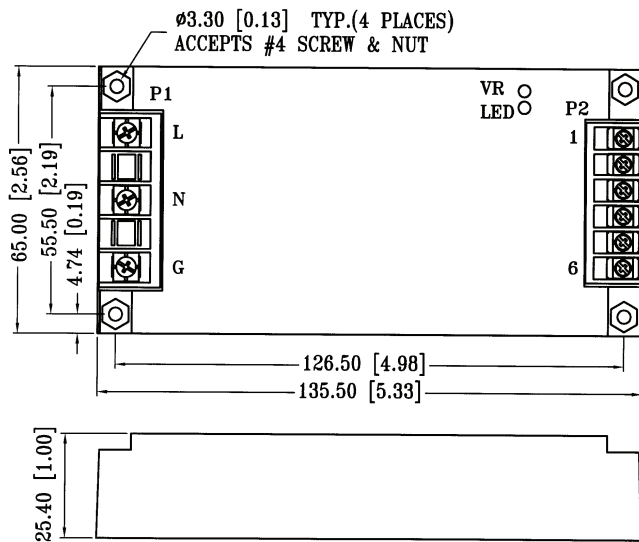
Emissions	EN55011 / EN55022 "B" FCC Part 15 Subject J Class B
Safety Approvals	UL/EN 60950-1 CE Mark (LVD)

## APS50AS-D/T SERIES:

### Output Specifications:

Model:	V1	A1			
APS50AS-D050E	+5V	3.00A	-5V	3.00A	
APS50AS-D050I	+5V	3.50A	+12V	2.00A	
APS50AS-D120I	+12V	2.00A	-12V	2.00A	
APS50AS-D150K	+15V	1.70A	-15V	1.70A	
APS50AS-D033E	+3.3V	3.50A	-5V	3.00A	
APS50AS-T033EE	+3.3V	4.00A	+5V	2.00A	-5V 0.50A
APS50AS-T033II	+3.3V	4.00A	+12V	1.00A	-12V 0.50A
APS50AS-T033KK	+3.3V	4.00A	+15V	0.80A	-15V 0.50A
APS50AS-T050II	+5V	3.50A	+12V	1.00A	-12V 0.50A
APS50AS-T050IE	+5V	3.50A	+12V	1.00A	-5V 0.50A
APS50AS-T050MI	+5V	3.5A	+24V	0.50A	-12V 0.50A

### MECHANICAL DIMENSIONS: MM [INCHES]



WEIGHT: 378.0g (13.3 Oz.)

### PIN ASSIGNMENT

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

### DERATING CHART

