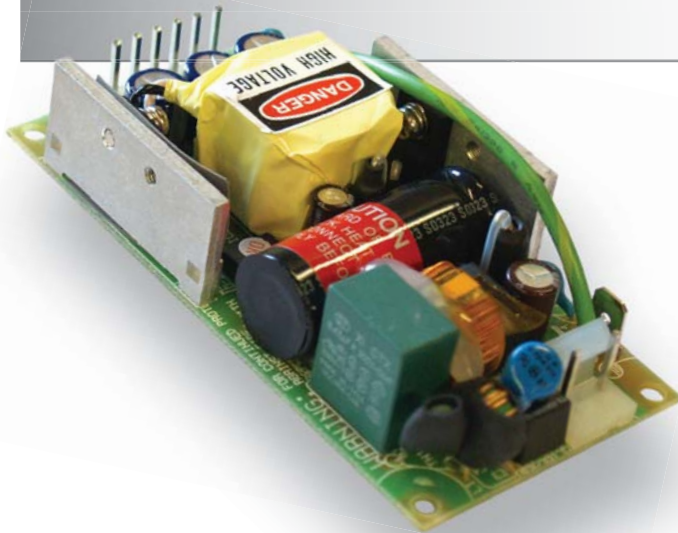


APS63VI SERIES:



45~80 Watt Switcher

- 4.00 x 2.00 x 0.92" Open Frame PCB

Features:

- Universal AC Input
- EN6100-3-2 Class B Compliant
- International Safety Approvals
- 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	Single Fuse
Hold-Up Time	11.2mS @ 115 VAC / 72mS @ 230 VAC
Leakage Current	<420µA @ 230 VAC Maximum

GENERAL:

Efficiency	80~90% 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	>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)

APS63VI Series:

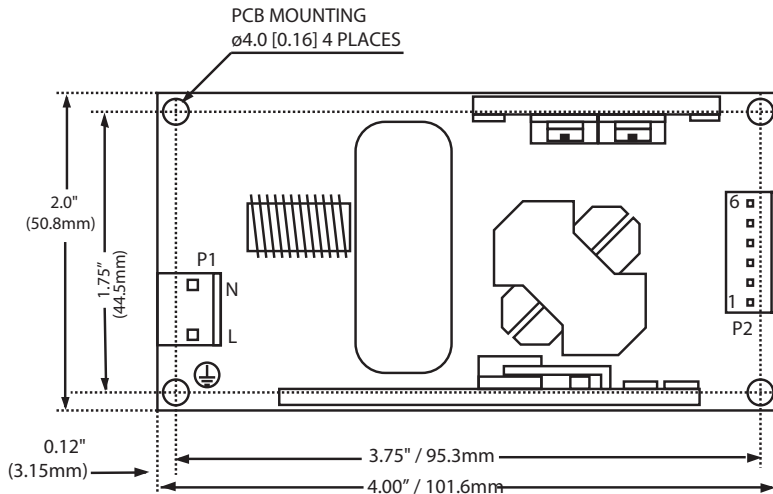
Output Specifications:

Model:	V1	A1	V2	A2	V3	A3	Max Power Convection	Max Power with Airflow
APS63VI-S033100	3.3V	10A					25W	33W*
APS63VI-S050100	5.0V	10A					30W	50W*
APS63VI-S120050	12V	5.00A					40W	65W*
APS63VI-S150040	15V	4.00A					40W	65W*
APS63VI-S240025	24V	2.50A					40W	65W*
APS63MI-S480125	48V	1.25A					40W	65W*
APS63VI-21	+5V	6A	+12V	4.5A			60W	80W**
APS63VI-T050II *	+5V	8A	+12V	3.0A	-12V	0.5A	40W	65W*
APS63VI-T050MI *	+5V	8A	+24V	1.5A	-12V	0.5A	40W	65W*
APS63VI-T050KK *	+5V	8A	+15V	2.5A	-15V	0.5A	40W	65W*
APS63VI-T033EI **	+3.3V	8A	+5V	3A	-12V	0.5A	30W	48W*

* Minimum airflow of 5 cfm required for ratings with airflow

** Minimum airflow of 20 cfm required for ratings with airflow

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

