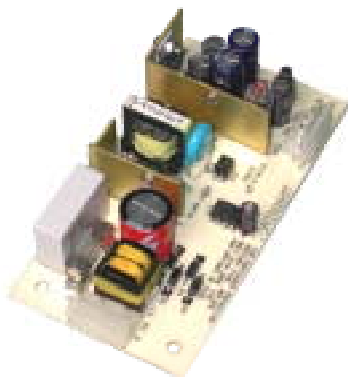


UNIVERSAL INPUT AC TO DC PCB OPEN FRAME DUAL OUTPUT 10.5 WATTS INTERNAL SWITCHING POWER SUPPLIES APS10.5VI SERIES



FEATURES:

- ACCOMMODATE UNIVERSAL AC SOURCES
- COMPACT PCB OPEN FRAME FORMAT
- MEETS UNIVERSAL SAFETY STANDARDS
- EMI MEETS CISPR PUB.22 & FCC CLASS B
- CE MARKING COMPLIANCE

SPECIFICATION

INPUT SPECIFICATION

Input Voltage: Range Typ. 90-264Vac
Rating 100 to 240Vac
Input Connector: Molex # 5273
Input Frequency: 47-63Hz
Inrush Current: $\leq 30.6A$ @230Vac
Input Current: Typ. 0.3A @115Vac/0.15A @ 230Vac
Dielectric Withstand: Meets IEC950
EMI: Meet CISPR PUB.22/ FCC Class B
Hold-up Time: Typ. 10mS @115Vac/ 40mS @230Vac
Earth leakage: Typ. 0.253mA @230Vac
Overload Protection (OLP): Fully protected against output overload and short circuit
Consult the factory for OLP setting

OUTPUT SPECIFICATION

Output Voltage: See Ratings Chart
Output Current: See Ratings Chart
Output Wattage: Typ. 10.5 watts
Output Connector: Molex # 5273
Line Regulation: Typ. 0.1%
Load Regulation: Main VO1 typ. $\pm 1-2\%$
Aux. VO2 typ. $\pm 2-3\%$ (P.R.)
or $\pm 3-5\%$ (stacked-on)
Noise & Ripple: Typ. 1.0% peak to peak
OVP: Built-in at main output VO1 (Zener diode)
Adjustability: Available at main output VO1

GENERAL SPECIFICATION

Efficiency: Typ. 70-75%
Switching Frequency: Typ. 40KHz
Circuit Topology: Fixed frequency flyback circuit
Transient Response: Output voltage returns in less than 3mS following a 25% load change
Safety Standard: IEC950/UL1950 Class II

Operating Temperature: 0 to +50°C
Storage Temperature: -20 to +85°C
Temperature Coefficient: Typ. 0.04%/°C
Cooling: Free air convection
Construction: PCB open frame format
Power Density: 1.10Watts / Cubic Inch



In application

OUTPUT VOLTAGE/CURRENT RATINGS CHART

DUAL OUTPUT

MODEL NO.	MAIN VO1 @★			AUX. ±VO2 ● or †		
	Typ.	Volt.	Max.	Typ.	Volt.	Max./Pk.
APS10.5VID-033E	2.5A	+3.3V	3.0A	0.5A	5.0V	1.0A/-
APS10.5VID-033I	2.5A	+3.3V	3.0A	0.2A	12.0V	1.0A/2.0A
APS10.5VID-033K	2.5A	+3.3V	3.0A	0.2A	15.0V	1.0A/2.0A
APS10.5VID-050I	1.8A	+5.0V	2.5A	0.2A	12.0V	1.0A/2.0A
APS10.5VID-050K	1.8A	+5.0V	2.5A	0.2A	15.0V	1.0A/2.0A

Symbol: "★" OVP built-in. "@" Adjustable. "●" Installed with Post Regulator. "†" Factory set.

Remark: (1) At least 20% of typical main output current is required to maintain stated regulation.

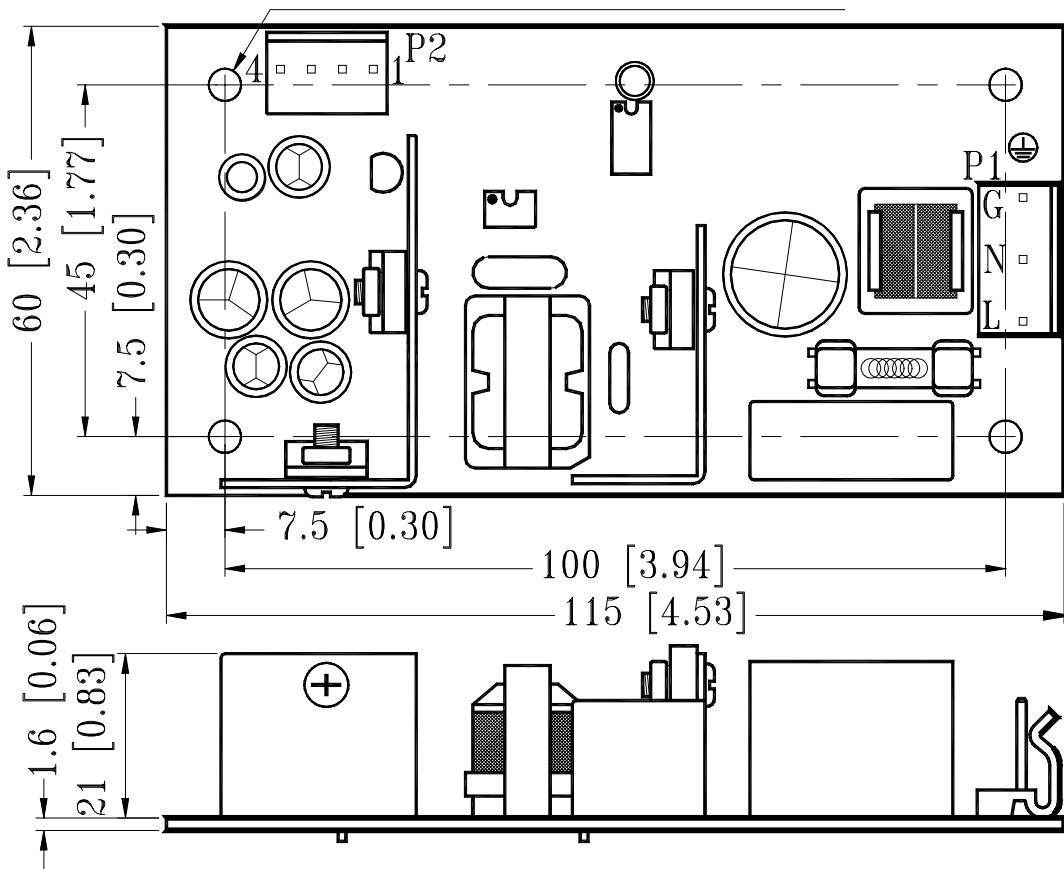
(2) Peak output, less than 60 sec. with 10% duty cycle.

(3) Max. current can't be drawn from all output at the same time.

MECHANICAL DIMENSIONS: MM [INCHES]

WEIGHT: 100.0 g (3.5 Oz.)

MOUNTING HOLES 4-Ø4 [Ø0.16]



INPUT & OUTPUT CONNECTORS PIN ASSIGNMENT

ASSIGNMENT CONNECTOR & PIN #	AC INPUT			SINGLE/DUAL OUTPUT		
	AC-LINE	AC-NEUTRAL	AC-GROUND	VO1	VO2	DC COM
	P1-L	P1-N	P1-G	P2-2,3	P2-4	P2-1

Mating connector: P1, 2 Molex # 5195 or 41695.