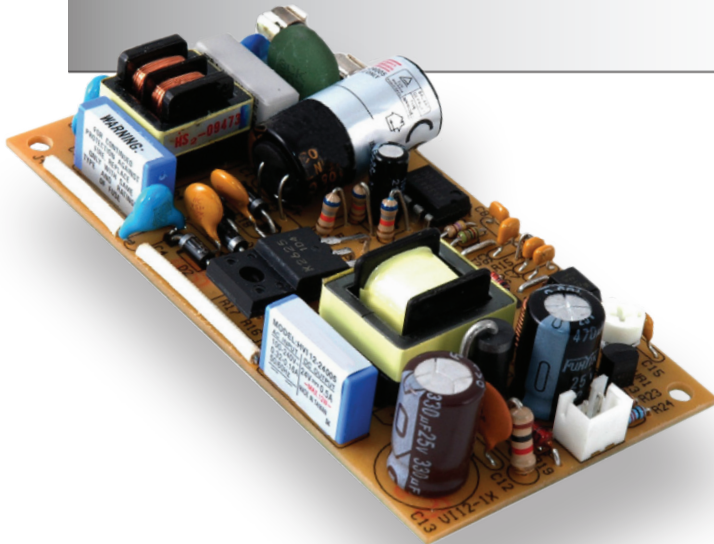


APS12VI SERIES:



12 Watt SINGLE Output Models

- 3.70 X 1.93 X 0.70" Open Frame Package

Features:

- Universal AC Input (90-264 VAC)
- Low Profile PCB for 1U Applications
- Class B Emissions
- International Safety Approvals
- 2 Year Warranty

INPUT:

Input Voltage	90~264 VAC (Universal)
Input Frequency	47-63Hz
Inrush Current	20A @ 230 VAC Cold Start
Input Current	0.34 / 0.17A @ 115 / 230 VAC
Input Protection	Single Fuse
Hold-Up Time	10ms / 40ms @ 80% Load / Minimum
Leakage Current	<300 μ A @ 240 VAC Maximum
Harmonics	EN61000-3-2 Class D Compliant

GENERAL:

Efficiency	70~75% Typical
Operating Temperature	0-70°C, derate linearly to 50% Load at 70°C
Storage Temperature	-20°C to +85°C
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
MTBF	>100k Hrs (according to MIL-HBK-217F) at 30°C

OUTPUT:

Adjustment Range	\pm 10%
Minimum Load	n/a
Regulation	\pm 0.1% Line / \pm 1~2% Load max
Ripple & Noise	\pm 1% typ. pk-pk @ 20MHz
Overload Protection	125~150% of max power (Foldback)
Over Voltage	Zener Diode
Short Circuit Protection	Trip without damage & auto-recovery
Transient Response	recovers <3ms following a 25% load change
Switching Frequency	45KHz (Fixed)

EMC:

Electrostatic Discharge	EN61000-4-2, \pm 4KV Contact / \pm 8KV Air Discharge
Radiated Susceptibility	EN61000-4-3, 26-1000MHz, 10V/M, 80% AM
EFT / Bursts	EN61000-4-4, \pm 2KV
Surges	EN61000-4-5, \pm 2KV Line-Earth, \pm 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 UL/cUL 60950-1
TUV EN60950-1
CE Mark (LVD)

APS12VI SERIES:

Output Specifications:				
Model:	Output (V)	Output (A)	Factory Setpoint Range	Maximum Output Power
APS12VI-03030	3.0V	3000mA	3.0 ~ 4.0 VDC	9 Watts
APS12VI-03329	3.3V	2900mA	3.0 ~ 4.0 VDC	9 Watts
APS12VI-05024	5.0V	2400mA	4.1 ~ 7.0 VDC	12 Watts
APS12VI-09013	9.0V	1300mA	7.1 ~ 10 VDC	12 Watts
APS12VI-12010	12V	1000mA	10.1 ~ 13.3 VDC	12 Watts
APS12VI-15008	15V	800mA	13.4 ~ 17.1 VDC	12 Watts
APS12VI-18006	18V	600mA	17.2 ~ 20 VDC	12 Watts
APS12VI-24005	24V	500mA	20.1 ~ 24 VDC	12 Watts
APS12VI-24006	24V	600mA	20.1 ~ 24 VDC	14.4 Watts

- Mating Connector is Molex 5051-N Series or JST XHP Series.

