NEW • DESKTOP POWER SUPPLIES

- UNIVERSAL INPUT
- COMPACT

15 WATT

SWITCHING POWER SUPPLY



DESCRIPTION

The HUP15 Series of AC-DC switching power supplies provide 15 watts of continuous output power. They are enclosed in a 94V-0 rated polyphenylene oxide case with an IEC 320 inlet connector to mate with an interchangable cord for worldwide use. All models meet CISPR Class B and FCC Class B emission limits, and are approved to UL, CSA, and TUV safety standards.



- Short circuit protection
- Input surge current protection
- Wide input voltage 90-264 VAC
- Approved to UL, CSA, and TUV safety standards
- **CE Mark**

OUTPUT VOLTAGE/CURRENT RATINGS CHART

	Output				Maximum Output
Model	Vnom	Imin	Imax	Tol.	Power
HUP15A-00	3.3V	0A	2.50A	5%	12W
HUP15A-10	5V	0A	2.40A	5%	12W
HUP15A-10-1	7V	0A	1.70A	5%	15W
HUP15A-11	10V	0A	1.50A	5%	15W
HUP15A-12	12V	0A	1.25A	5%	15W
HUP15A-13	15V	0A	1.00A	5%	15W
HUP15A-13-1	18V	0A	0.80A	5%	15W
HUP15A-14	24V	0A	0.62A	5%	15W
HUP15A-16	30V	0A	0.50A	5%	15W
HUP15A-17	36V	0A	0.40A	5%	15W
HUP15A-18	48V	0A	0.30A	5%	15W

GENERAL SPECIFICATIONS

All specifications are typical at nominal line, full load, and 25°C.

Efficiency: 60% min at 15W output

Hold-up time: 5msec minimum

Line regulation: ±0.5% maximum at full load Inrush current: ±0.5% maximum at full load 15 amps@115 VAC, or

30 amps@230 VAC at 25°C cold start

Withstand voltage: 3000 VAC from input to output

1500 VAC from input to ground 500 VAC from output to ground

Insulation resistance: 50 Mohm min. from output to ground

Operating temperature: $0^{\circ}\text{C to } +70^{\circ}\text{C*}$ Storage temperature: $-40^{\circ}\text{C to } +85^{\circ}\text{C}$

MTBF: 100,000 hours minimum at

full load at 25°C ambient

EMI requirements: Meets conducted and radiated

limits of:

a) FCC20780 Level Bb) CISPR 22 Class B

Safety requirements: Approved to:

a) UL 1950

b) CSA C22.2 No. 234

c) EN60950

INPUT SPECIFICATIONS

Input voltage: 90 to 264 VAC Input frequency: 47 to 63 Hz Input current: 0.4A maximum

Safety ground:

leakage current: 0.75mA max. @ 240VAC 50Hz

OUTPUT SPECIFICATIONS

Output voltage: See rating chart
Output current: See rating chart
Output power range: 0 to 15 Watts

Ripple and noise: 1% peak to peak maximum Overcurrent protection: All outputs protected to short

circuit conditions

Temperature coefficient: All outputs $\pm 0.04\%$ C maximum Transient response: Maximum excursion of 4% or better

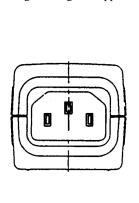
on all models. Recovers to 1% of final value within 500us after a

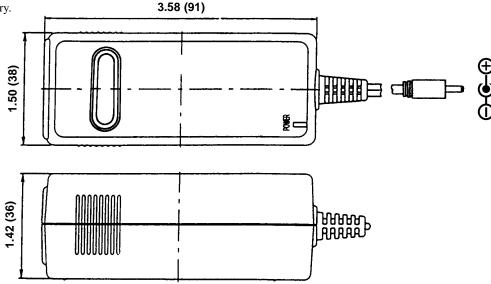
25% step load change.

MECHANICAL SPECIFICATIONS

NOTES:

- 1. Dimensions shown in inches (mm).
- 2. Tolerance 0.02 (0.5) maximum.
- Output connector is 5.5mm outer diameter barrel. Inner diameter is 2.5mm with center positive (+)/outer shell negative(-) polarity.
- 4. Output cable length is 72.0".
- 5. Optional input/output connectors available. Please consult factory.
- 6. Weight: 135 grams approx.







Your Source of Power ...

^{*} Derate linearly from 100% load at 40°C to 50% load at 70°C