

AC/DC External Desktop

15 Watts HUP15 Series

XPiQ inc.

Intelligent Design Quality Product



- Built-in EMI Filter
-
- 100% Burn-in
-
- Input Surge Current Protection
-
- CE Mark
-
- Approved to UL, CSA and TUV
Safety Standards
-
- Short Circuit Protection

Specification

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

Input

- Input Voltage* • 90-264 VAC
- Input Frequency* • 47 to 63 Hz
- Input Current* • 0.4A maximum
- Leakage Current* • 0.75mA maximum at 240 VAC 50Hz

Output

- Output Voltage:* • See Tables
- Output Current* • See Tables
- Output Power Range* • 0 to 15 Watts
- Ripple and Noise* • 1% peak to peak max.
- Overcurrent Protection:* • All outputs protected to short circuit conditions
- Temperature coefficient:* • All outputs $\pm 0.04\%/^{\circ}\text{C}$ maximum
- Transient Response* • Maximum excursion of 4% or better on all models. Recovers to 1% of final value within 500 μs after a 25% step load change

General

- Efficiency* • 60% minimum at 15 watt
- Hold-up time* • 5 msec minimum

- Line Regulation* • $\pm 0.5\%$ maximum at full load
- Inrush Current* • 15 amps at 115 VAC or 30 amps at 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 minimum from output to ground

Environmental

- Operating Temperature* • 0°C to +70°C*
- Storage Temperature* • -40°C to +85°C
- MTBF* • 100,000 hours minimum at full load at 25°C ambient
- EMI Requirement* • Meets conducted and radiated limits of
 - a) FCC 20780 Level B
 - b) CISPR 22 Class B
- Safety Requirements* • Approved to:
 - a) UL 1950
 - b) CSA C22.2 No. 234
 - c) EN60950

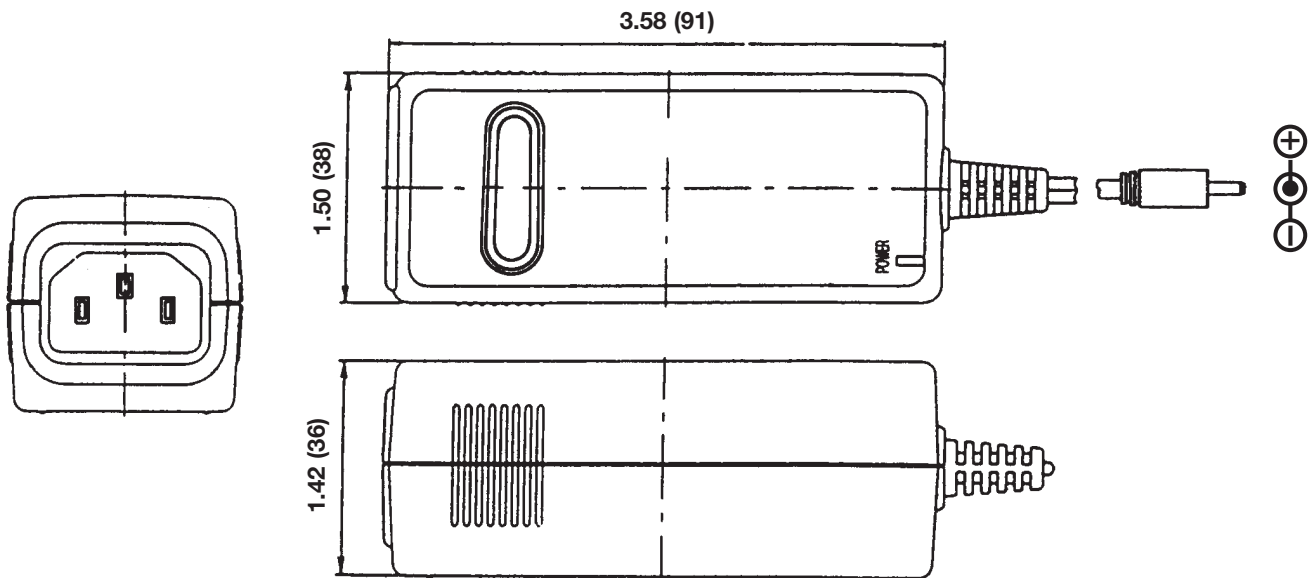
* Derate linearly from 100% load at 40°C to 50% load at 70°C

OUTPUT VOLTAGE & CURRENT RATINGS

HUP15

Maximum Output Power	Output				Models Number
	Vnom	Imin	Imax	Tol.*	
8.25 W	3.3 V	0 A	2.50 A	5%	HUP15A-00
12 W	5.0 V	0 A	2.40 A	5%	HUP15A-10
15 W	7.0 V	0 A	1.70 A	5%	HUP15A-10-1
15 W	10.0 V	0 A	1.50 A	5%	HUP15A-11
15 W	12.0 V	0 A	1.25 A	5%	HUP15A-12
15 W	15.0 V	0 A	1.00 A	5%	HUP15A-13
15 W	18.0 V	0 A	0.80 A	5%	HUP15A-13-1
15 W	24.0 V	0 A	0.62 A	5%	HUP15A-14
15 W	30.0 V	0 A	0.50 A	5%	HUP15A-16
15 W	36.0 V	0 A	0.40 A	5%	HUP15A-17
15 W	48.0 V	0 A	0.30 A	5%	HUP15A-18

Mechanical Details



NOTES:

1. Dimensions shown in inches (mm).
2. Tolerance 0.02 (0.5) maximum.
3. 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 consult factory.
6. Weight: 135 g approx.