

UMEC International Corporation

UP0601S Series

50-60 Watt AC/DC Adapter

- ◆ Universal Input 90 to 264 VAC
- ◆ EMI Meets FCC/CISPR 22 Class B
- ◆ Design to Meets UL, CSA, TUV Safety Standards
- ◆ RoHS Compliant



SPECIFICATIONS

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

INPUT SPECIFICATIONS

Input Voltage Range 90-264VAC
Input Frequency 47-63 Hz
Inrush Current No component damage
Line Regulation $\pm 1.0\%$

GENERAL SPECIFICATIONS

Hold-up Time 10mS typ.
Efficiency 80% typ.
Leakage Current 0.25mA max.
Short Circuit Protection Continuous
Overvoltage Protection All Models
Overload Protection 120-200% of rated value

ENVIRONMENTAL SPECIFICATIONS

Operating Temperature Range 0°C to 50°C
Derating 40°C to 50°C 2%/°C
Temperature Coefficient $\pm 0.02\%/^{\circ}\text{C}$
Storage Temperature Range -40°C to +85°C
Humidity, Non-Condensing 0 to 95% RH
Cooling Free- Air Convection
EMI Meets FCC/CISPR 22 Class B Specification



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OUTPUT SPECIFICATIONS

Model Number	Output Voltage(Volts)	Output Current (Amps)		Max. Power (Watt)	Ripple ¹ P-P (mV)	Total Regulation ²
		Min.	Rated			
UP0601S-12P/12T	12	0.0	4.16	50	120	±4%
UP0601S-16P/16T	16	0.0	3.13	50	160	±3%
UP0601S-19P/19T	19	0.0	3.16	60	190	±3%
UP0601S-24P/24T	24	0.0	2.50	60	240	±3%

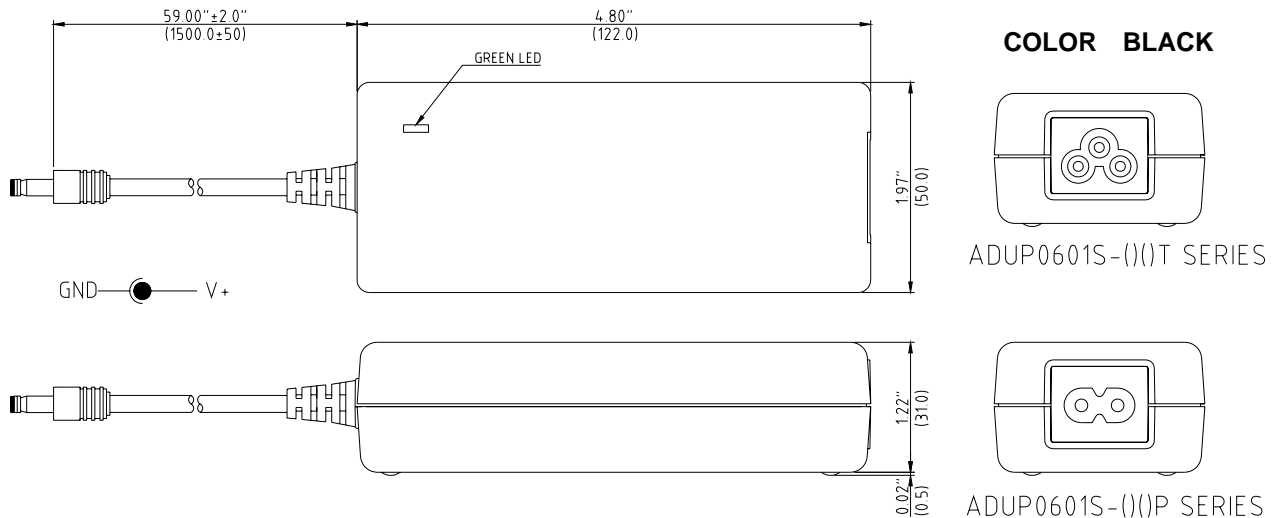
NOTES

1. Add a 0.1uF ceramic capacitor and a 10uF E.L. capacitor to the output cable. Peak to peak and RMS metering equipment shall have a 20 MHz response with probes and cables maintaining frequency response from 200 Hz to 100MHz bandwidth. Output ripple and spikes are measured directly at the output terminals of the power supply without the use of the probe ground clip.
2. Total regulation is defined as the static output regulation at 25°C, including initial tolerance, line voltage and load current within stated limits.
3. Replace input line fuse with same type rating. Recommended 3.15A/250 VAC slow blow fuse.

PHYSICAL SPECIFICATIONS

Weight : 300g.

Case Material : PC+ABS Plastic UL94V-0 Flammability Rated.



DC plug & pin assignment (CUSTOM DESIGN IS AVAILABLE)

IN 2.5(±0.2)/ OUT 5.5(±0.2)/ LENGTH 10(±0.5) (mm) DC PLUG FEMALE

NOTES:

1. All dimensions in inches (mm).
2. Tolerance (except cable length): .xx = ±0.04
.xxx = ±0.010



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