

# UP0601E-( ) ( ) P SERIES

## 55-60 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
- ◆ Power Consumption Less Than 0.75 Watt



### 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

### GENERAL SPECIFICATIONS

Hold-up Time ..... 10mS typ.  
Efficiency ..... 80% typ.  
Leakage Current ..... 2.0mA 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 ..... ±0.02%/°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 (Watts)	Efficiency (typ.)	Ripple <sup>1</sup> P-P (mV)	Total Regulation <sup>2</sup>
		Min.	Rated				
<b>UP0601E-12P</b>	12	0.0	4.58	55	80%	120	±4%
<b>UP0601E-16P</b>	16	0.0	3.44	55	80%	160	±4%
<b>UP0601E-18P</b>	18	0.0	3.33	60	82%	180	±4%
<b>UP0601E-19P</b>	19	0.0	3.16	60	82%	190	±4%
<b>UP0601E-24P</b>	24	0.0	2.5	60	82%	240	±4%

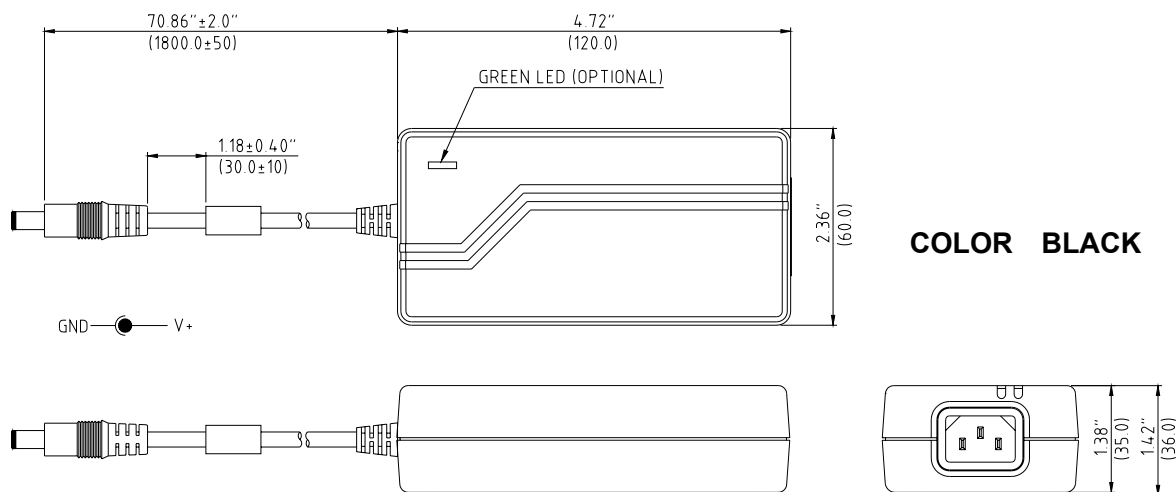
## NOTES

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.

## PHYSICAL SPECIFICATIONS

Weight : 370g.

Case Material : ABS Plastic UL94V-0 Flammability Rated.



## DC plug & pin assignment (CUSTOM DESIGN IS AVAILABLE)

### IN 2.5/OUT5.5 (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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