

UP0181A-() () PA(PC/PE/PK/PT) SERIES

18 Watt AC/DC Wall Mount Adapter

- ◆ Universal Input 90 to 264 VAC
- ◆ EMI Meets FCC/CISPR 22 Class B
- ◆ No Load Input Power Consumption Less than 0.3 Watt at 100-240 VAC Input
- ◆ RoHS Compliant
- ◆ Meet Energy Star Efficiency Level: (V)
& Energy – Related Products Directive 2009/125/EC
(Recasts and Supersedes 2005/32/EC)



AS/NZS60950



SAFETY INFORMATION

WARNING: Failure to follow these safety instructions could result in fire, electric shock or other injury or damage.

1. To reduce the risk of electric shock, do not remove cover (or back). No user-serviceable parts inside. Refer servicing to qualified service personnel.
2. To reduce the risk of fire or electric shock. Do not expose this adapter to rain or moisture.
3. Do not use this adapter near water.
4. Make sure the input voltage is within the specification show on the label.
5. Make sure that the adapter is fully plug into the power outlet.
6. Do not connect or disconnect the adapter with wet hands.
7. Unplug this adapter during lightning storms or when unused for long periods of time.

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 80A max.(Cold Start)

GENERAL SPECIFICATIONS

Hold-up Time 10mS typ.
Leakage Current 0.25mA max.
Short Circuit Protection Continuous
Overvoltage Protection Zener Clamp (Option)
Continuous Output Power 18W max.
Hi-pot Isolation: Input / Output 4242 VDC

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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UP0181A-() () PA(PC/PE/PK/PT)

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3,27TH RD., TAICHUNG INDUSTRIAL PARK,
TAICHUNG, TAIWAN, R.O.C.

TEL: 886-4-23590096 FAX: 886-4-23590129

REV.3

OUTPUT SPECIFICATIONS

Model Number	Output Voltage (Volts)	Output Current (Amps)		Max. Power (watt)	Efficiency ^{3,4} (typ.)	Ripple ¹ P-P (mV)	Total Regulation ²
		Min.	Rated				
UP0181A-09PA(PC/PE/PK/PT)	9	0	2	18	80.29%	200	±6%
UP0181A-12PA(PC/PE/PK/PT)	12	0	1.5	18	80.29%	200	±5%
UP0181A-15PA(PC/PE/PK/PT)	15	0	1.2	18	80.29%	200	±4%
UP0181A-16PA(PC/PE/PK/PT)	16	0	1.12	18	80.29%	200	±4%
UP0181A-19PA(PC/PE/PK/PT)	19	0	0.94	18	80.29%	240	±4%
UP0181A-24PA(PC/PE/PK/PT)	24	0	0.75	18	80.29%	240	±4%

NOTES:

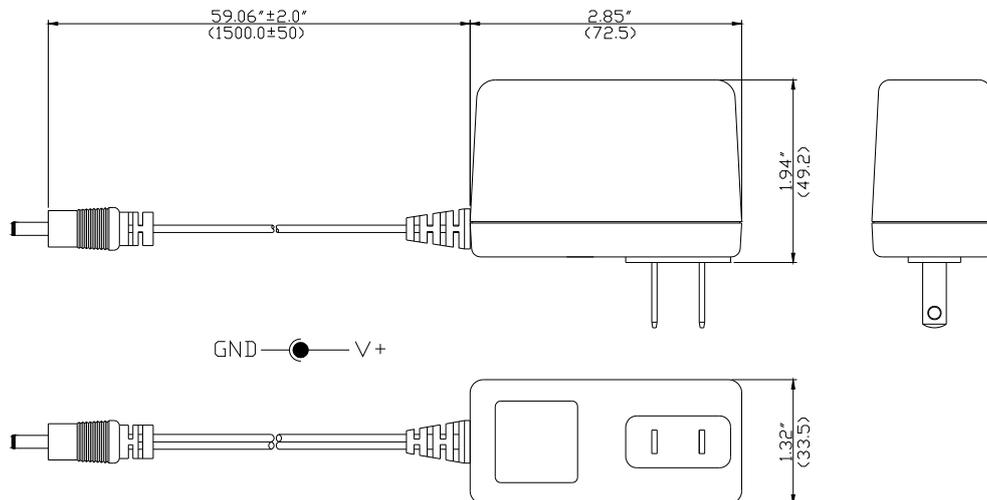
1. Add a 0.1uF ceramic capacitor and a 10uF E.L. capacitor to the output cable. Peak to peak and RMS metering equipment shall have a 20 MHz response with probes and cables maintaining frequency response from 200 Hz to 100MHz bandwidth. Output ripple and spikes are measured directly at the output terminals 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.
3. Average Efficiency: The minimum average efficiency in active mode, express in percent.
Testing procedure: (heat product)
Set the output at 25%, 50%, 75% and 100% of full rated load and nominal input voltage condition. The minimum four point average efficiency in active mode, express in percent is average efficiency.
4. With mark identification efficiency level IV or level V on label to distinguish original models and upgrade models.

PHYSICAL SPECIFICATIONS

Weight : 100g

Case Material: PC/NORYL Plastic UL94V-0/UL94V-1 Flammability Rated

UP0181A-XXPA



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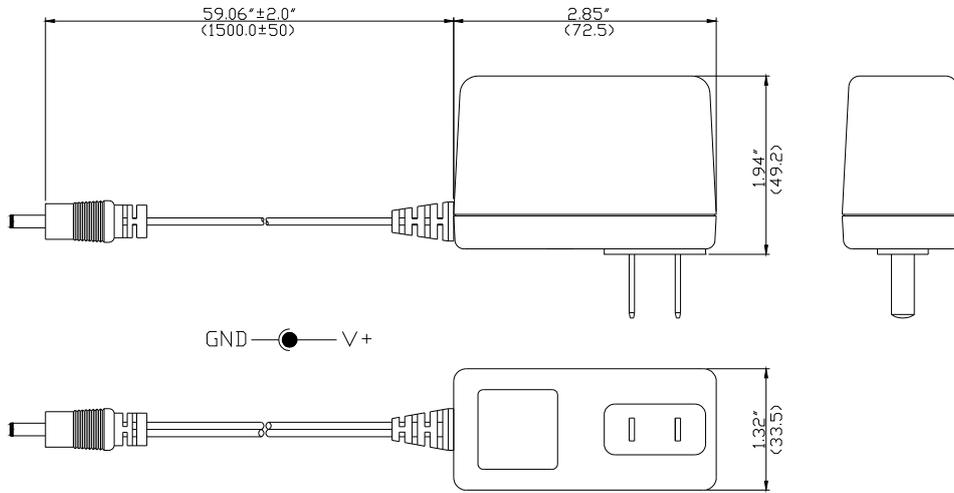
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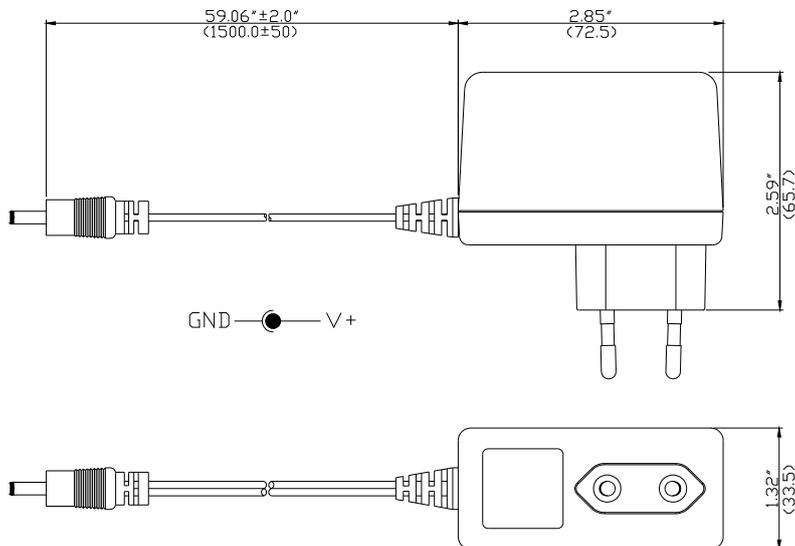
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UP0181A -XXPC



UP0181A -XXPE



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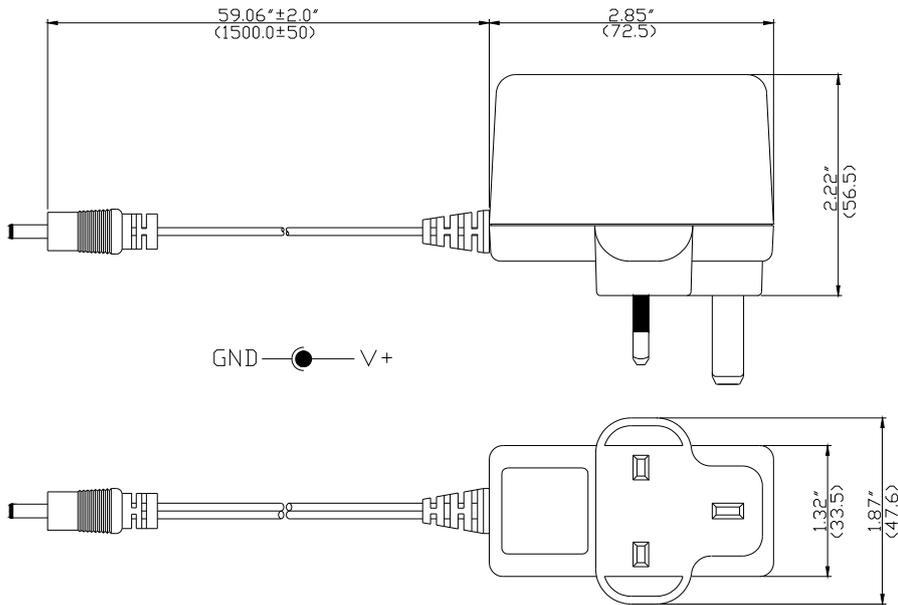
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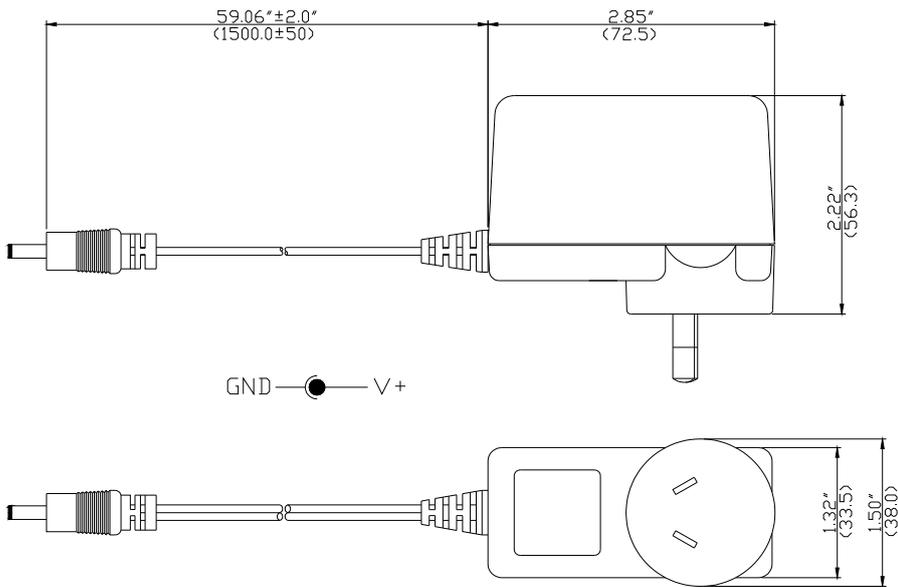
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UP0181A -XXPK



UP0181A -XXPT



**DC plug & pin assignment (CUSTOM DESIGN IS AVAILABLE)
IN 2.5(±0.2)/ OUT 5.5(±0.2)/ LENGTH 9.5(±0.5) (mm) DC PLUG FEMALES**

NOTES:

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



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