

UMEC International Corporation

UP0251E Series

25 Watt AC/DC Adapter

- ◆ Universal Input 90 to 264 VAC
- ◆ EMI Meets FCC/CISPR 22 Class B
- ◆ Low Power Consumption: Less Than 0.75W at 240Vac Input
- ◆ Limited Power Source
- ◆ 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 30A max.(Cold Start)

GENERAL SPECIFICATIONS

Hold-up Time 10mS typ.
Leakage Current 2mA max.
Short Circuit Protection Continuous
Overvoltage Protection Option
Continuous Output Power 25W max.
Hi-pot Isolation: Input / Output 4242VDC

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



UMEC International Corporation
2539 West 237th Street, Suite A
Torrance, California 90505 USA

www.umecintl.com
Tel: 310-326-7072
Fax: 310-326-7058

UMEC International Corporation

OUTPUT SPECIFICATIONS

Model Number	Output Voltage (Volts)	Output Current (Amps)		Max. Power (Watts)	Efficient (typ.)	Ripple ¹ P-P (mV)	Total Regulation ²
		Min.	Rated				
UP0251E-12PL	12	0	2.1	25	85%	120	±4%
UP0251E-16PL	16.5	0	1.52	25	85%	165	±3%
UP0251E-19PL	19	0	1.32	25	85%	190	±4%

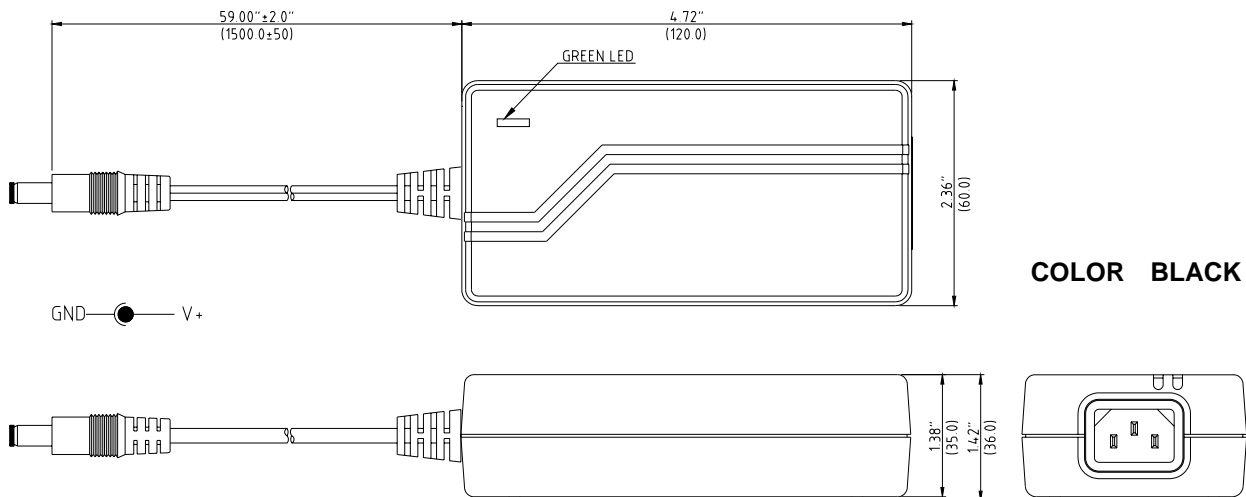
NOTES

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: 280g

Case Material: 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 FEMALES (TUNING FORK)

NOTES:

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



UMEC International Corporation
2539 West 237th Street, Suite A
Torrance, California 90505 USA

www.umecintl.com
Tel: 310-326-7072
Fax: 310-326-7058