# **UP0091A-()() SERIES**

## 9 Watt AC/DC Open Frame

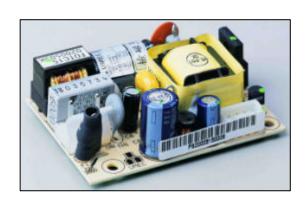
- ♦ Universal Input 90 to 264 VAC
- ♦ EMI Meets FCC/CISPR 22 Class B
- **♦ Continuous Short Circuit Protection**
- ♦ Designed to Meets UL,CSA,TUV Safety Standards











#### **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	3mA max.
Short Circuit Protection	Continuous
Continuous Output Power	9W max.
Hi-pot Isolation: Input / Output	4242 VDC

#### **ENVIRONMENTAL SPECIFICATIONS**

Operating Temperature Range	0°C to 70°C
Derating 50°C to 70°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



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

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#### **OUTPUT SPECIFICATIONS**

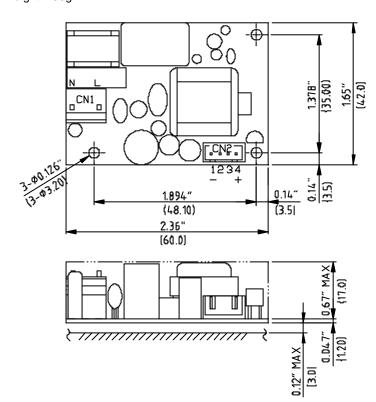
Model Number	Output Voltage	Output (		Max Power	Efficiency (typ.)	Ripple <sup>1</sup>	Total Regulation <sup>2</sup>
	(Volts)	Min.	Rated	(Watt)	(31 )	(mV)	ŭ
UP0091A-03 UP0091A-05	3.3 5	0 0	2.5 1.8	8.25 9	65% 70%	50 50	±3% ±4%

#### NOTES:

- 1. Add a 0.1uF ceramic capacitor and a 10uF E.L. capacitor to the output connector. 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: 130g



UP0091A -XX		
CN1		
Molex 09-65-2038 with second pin removed		
CN2 output connector Molex 67280 series or equivalent		

or equivalent	
Model	
Pin	UP0091A-XX
1	Common
2	Common
3	Vo
4	Vo

## NOTE:

- 1. All dimensions in inches (mm).
- 2. Tolerance .XX=±0.05, .XXX=±0.020.



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