

# ILM06012CV *Open Frame Power Supply*

## Product Features:

- Size : 5.2in(132mm) x 1.4in(35mm) x 1.1in(28mm)
- Output : 6V/2.0A(12W)
- Output over voltage protection
- Output Current Limit
- Output Short Circuit
- Surge : IEC61000-4-5, Level 4 (2kV/4kV)



## AC Input Specifications:

AC Supply	Universal Ac Input : 90Vac-265Vac
Frequency	47 ~ 63Hz

## General Specifications:

Operating Temperature	-10 to +55°C
Storage Temperature	-25 to +70°C
Humidity	Operating: ≤95% non-condensing Storage: ≤95% non-condensing

## DC Output Specifications:

Output voltage	Default 6Vdc(5.7V ~ 6.3V)
Output current	2.0Amax@ 6Vout (12W)
Voltage Regulation	≤±5%
Efficiency	Efficiency Typical : ≥ 75%(@230Vac)
Ripple and Noise	≤100mV P-Peak
Psophometric noise	2mV

## Agency compliances : *Pending*

Safety	UL and cUL approved to UL/CSA60950-1, TUV(EN60950-1), CE Mark (for LVD) and CB
EMC	EN 55022/CISPR Class B / FCC Class B
Environment	GR1089

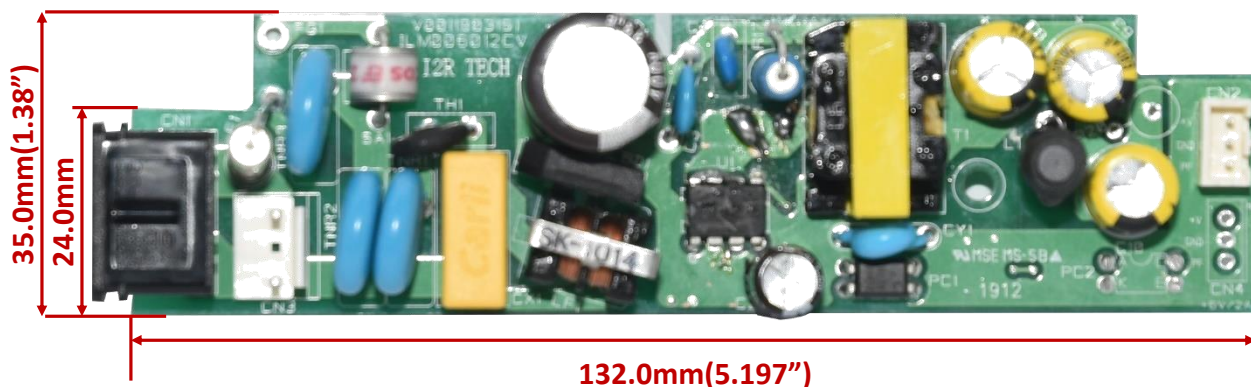
# ILM06012CV *Open Frame Power Supply*

## General Specifications:

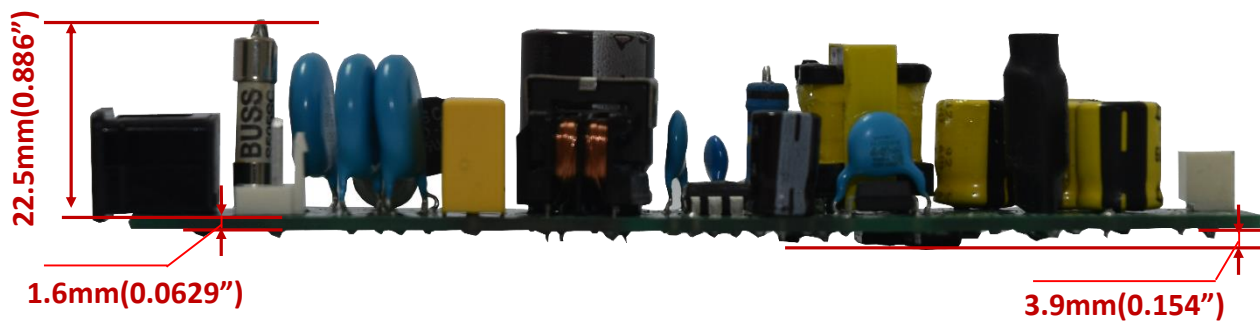
NO.	Test Name	Conditions		SPEC	
		Input	Output		
1	Set Voltage	230Vac	+6V / 2.0A	+5.7V ~ +6.3V	
2	Static Voltage Regulation	115Vac	+6V / 0.2A	Line & Load regulation : ±1%	
			+6V / 1.0A		
			+6V / 2.0A		
		230Vac	+6V / 0.2A		
			+6V / 1.0A		
			+6V / 2.0A		
3	Efficiency	230Vac	+6V / 2.0A	≥75%	
4	Ripple/Noise	115Vac or 230Vac	+6V / 2.0A	Peak:under 100mVp-p	
5	Output Over Current Protection		+6V / 2.0A	110%~130%(2.04A~2.6A)	
6	Output Over Voltage Protection		+6V / 2.0A	105%~140%(+6.3V ~ +8.4V)	
7	Input Low Voltage Protection		+6V / 2.0A	≤88Vac : Output Shut Down <90Vac : Output Recovery	
8	Output Short Circuit Protection		+6V / 2.0A	Output voltage cutoff when output is shorted Normal operation in case of input off / on after removing the cause of short Circuit	
9	Insulation resistance		Input ~ Output		DC500V : ≥50MΩ
10	Withstand Voltage		Input ~ Output		AC 1.5KV 10mA

# ILM06012CV *Open Frame Power Supply*

## Mechanical Outline: Dimension



Top View



Side View

# ILM06012CV *Open Frame Power Supply*

## Input & Output Information:

AC Input : 90 ~ 265Vac

DC Output : 6.0Vdc/2.0A



Connector	Connector on Power Supply	Symbol No.
AC Input	INNLET RF-180(RONG FENG)	CN1
	YW396AV 2PIN	CN3
DC Output	SMW250-03	CN2

AC Input Connector		DC Output Connector	
Pin 1	Line	Pin 1	Vout
Pin 2	Neutral	Pin 2	GND
		Pin 3	PF(Power Fail)

- \* Normal : Closed(GND)
- \* Fail : Open Collector

AC/DC Converter