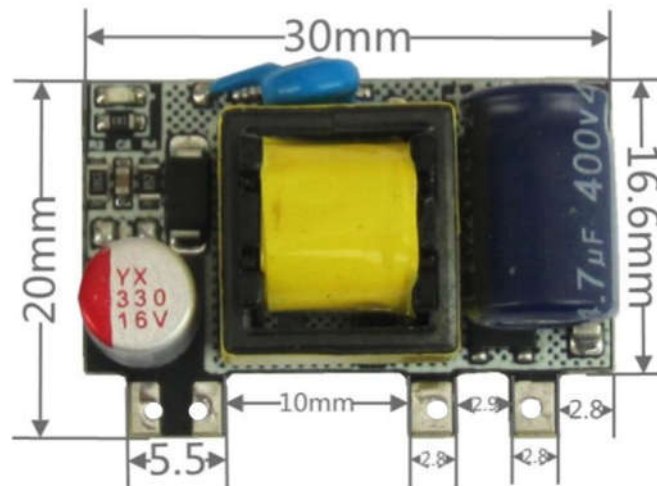
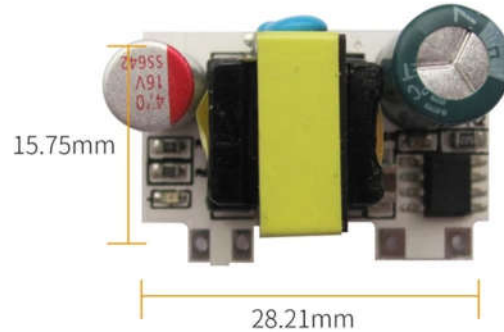


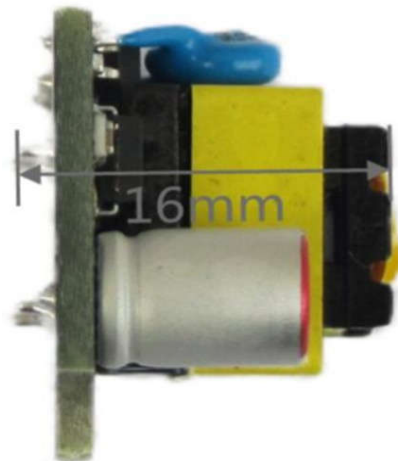
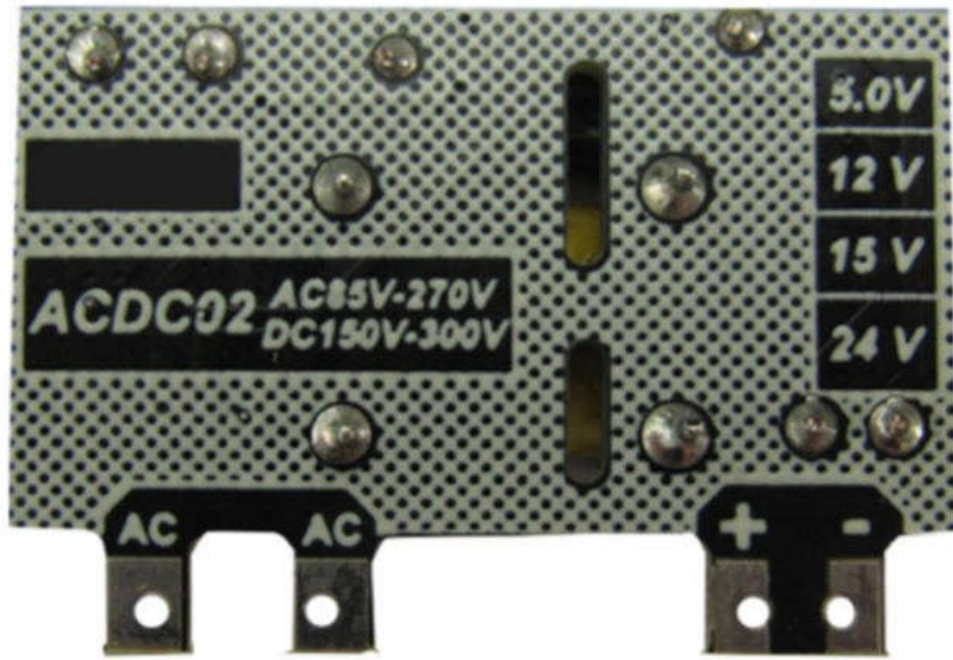
# AC-DC 3.7V / 4.2V 2000mA / 5V 1700mA 9V 800mA 8.5W Low Ripple Switching Supply Module AC-DC Isolation Input Module

3.7V 2000mA / 4.2V 2000mA

5V 1500mA / 9V 800mA

12V 700mA / 15V 500mA





**This power module is suitable for industrial equipment, smart home, electronic products, toys, d LEDs, home appliances.....**

AC input: (VAC) AC60-277V (AC85-265v recommended) DC

input: (VDC) DC80-390V (DC100-370V recommended)

Frequency range: (Hz) 47-63

Input current: (A) 0.06/115VAC 0.03/230VAC Peak

current: (A) Cold start: 5A/230VAC

No load standby: (mW) new micro power consumption 5V 30MW 12V  $\leq$  75MW

Standby power consumption: less than 0.3W

Working temperature: 25 °C -70 °C

Temperature drift coefficient:  $\pm 0.02\%/^{\circ}\text{C}$

Storage temperature and humidity: -40. +85 °C 10-95RH

Switching frequency: (KHz) - 0.8-65 (inverter control chip)

Insulation voltage: (VAC) input to output, test 60s  $\leq$  5mA

Insulation resistance: (MQ) input to output, 500VDC 100

Leakage current: (MA) 500VDC input to output  $\leq$  1mA / RMS

Vibration resistance: - 10-500Hz 2G 10 minutes/cycle X, Y, Z every 10 Min

Multiple protections: over temperature, over current, over voltage, short circuit, secondary open circuit protection

Output voltage: (VDC) - 5.1V  $\pm$  5% 12.1 V  $\pm$  5% Other  $\pm$  5%

Output Voltage Accuracy: - 4.85-5.35V 11.5-12.7V

Rated Current: (MA) 2000MA/1700MA/800MA/700MA/500MA

Power: (W) - 8.5W

Ripple and Noise: (mvp- p) Rated input voltage 20MHz bandwidth 2% of output voltage Linear adjustment rate: full load  $\pm$  1%

Load regulation rate: 10-100% load  $\pm$  3%

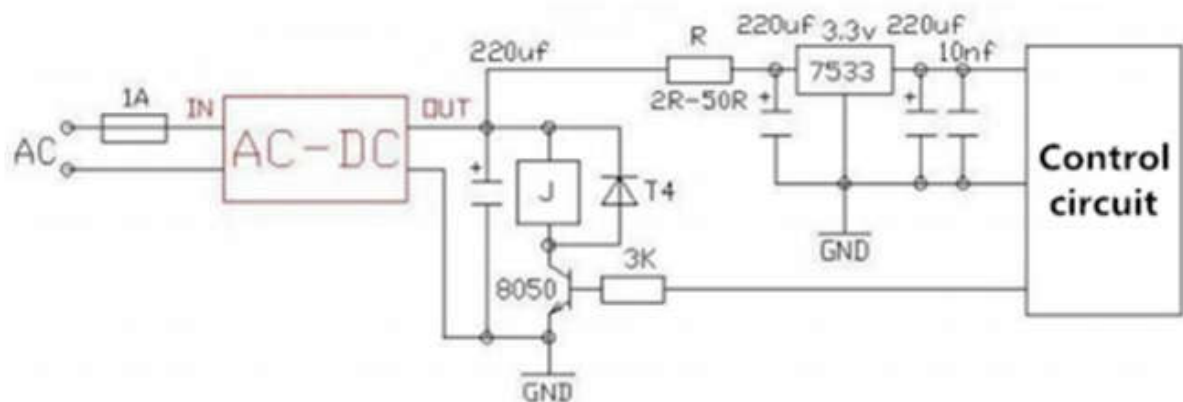
Start up. Rise time: full load 836ms, 7.4ms/90VAC 500ms, 7.4ms/230VAC Hold

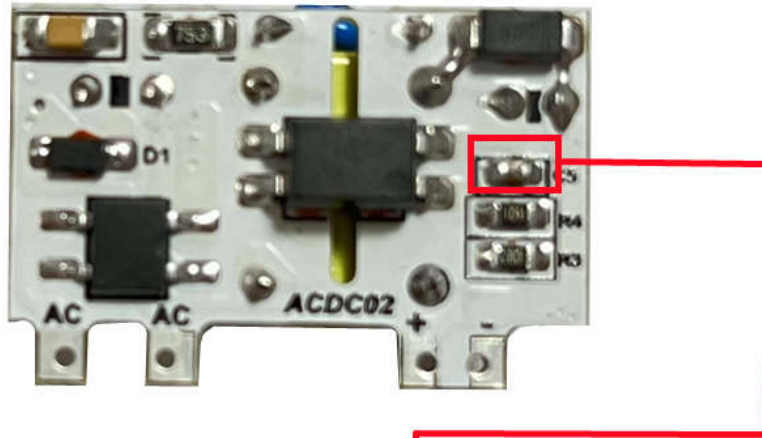
time: (ms) full load 16ms/115VAC 50ms/230VAC

Overload protection: 115%-150% of rated input voltage / rated output power / Protection mode: doze mode, automatic recovery after abnormal load Short circuit protection: rated input voltage long-term short circuit, self-recovery overcurrent protection / full load constant current mode

Start delay time (ms) Vin : 230VAC 7.4ms Power down

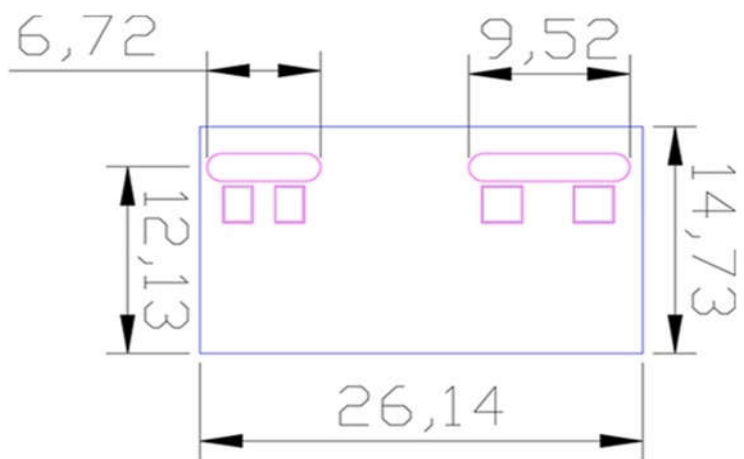
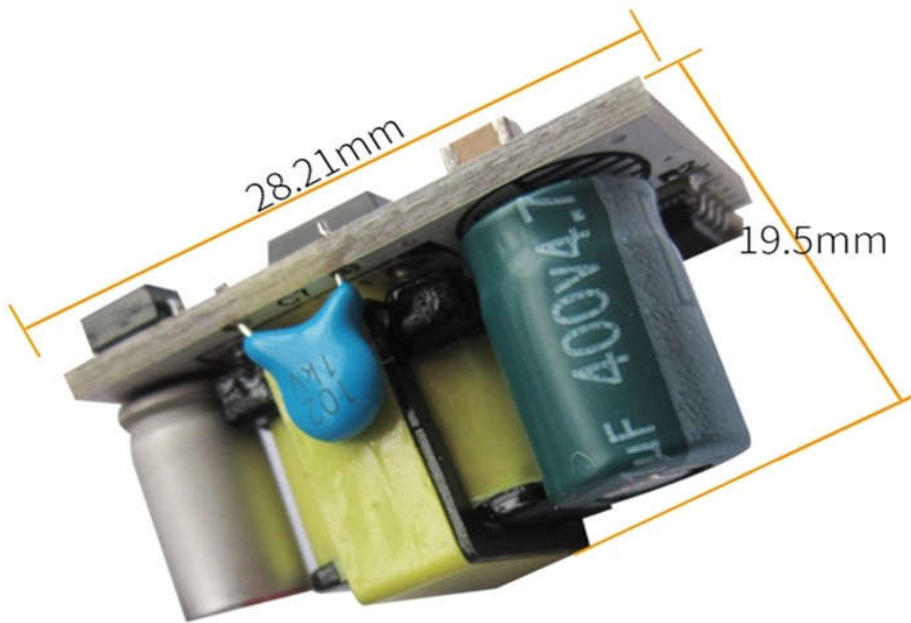
retention time (ms) 50ms

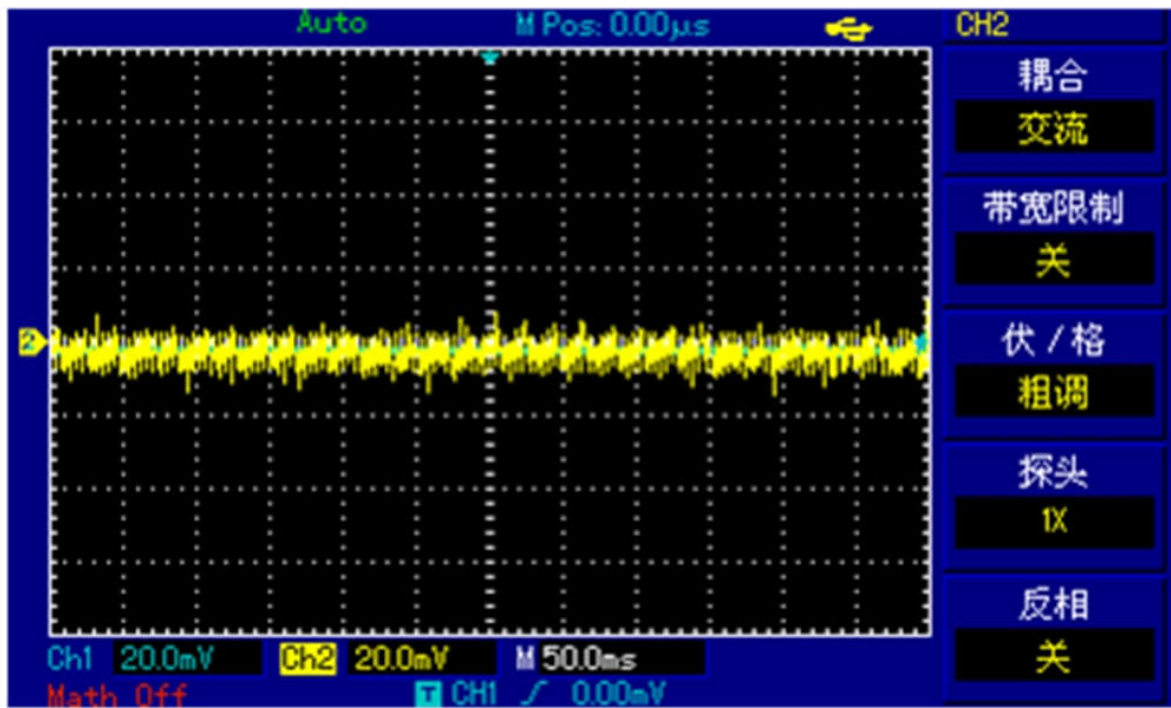




**If there is a high power-on voltage,  
there are board products that require high voltage,  
and the high power-on will burn the chip.  
Let him remove the parts at this position.**

**Если есть высокое напряжение включения,  
есть картонные изделия, требующие высокого напряжения,  
и высокая мощность сожжет чип.  
Пусть он снимет детали в этом положении.**





**for variety of electrical appliances:**

