

1. Scope :

This document defines the general design and performance requirement for this switching adaptor.

2. Input :

2.1	Input Voltage Range	100Vac – 240Vac
2.2	Input Frequency	50Hz - 60Hz
2.3	Input Current	0.5 A rms(Max) at 230V input.
2.4	Inrush Current	30A(Max) at 230Vac input.
2.5	Efficiency	the efficiency is 80% while measuring at rated load , 230Vac input.
2.6	No Load Consumption	0.3W Max

3. Output :

3.1	Output Voltage Accuracy	DC 12V \pm 5%V
3.2	Output Current Range	0 ~ 1.5A(Max)
3.3	Output Current Protection	>1.8A.
3.4	Output Line Regulation	1 % (Max) at full Load.
3.5	Output Load Regulation	\pm 5%
3.6	Overshooting	As turn on, the output voltage shall not exceed steady state by more than 10%.
3.7	Ripple And Noise	150mV(Max) at full Line/load range with 20MHz band width. parallel with 10uF electrolytic capacitor and 0.1uF ceramic capacitor at the terminal of output connector.

4. Rise Time :

\leq 3 sec output voltages shall be within regulation ,under any input operation.

5. Hold Up Time :

\geq 8m sec, at AC230V/50Hz AC input and full rated output power.

6. Protection :

Short Protection	The power supply will self-protect ,and auto recovery when abnormal circuit faults remove.
------------------	--

7. International Standards

7.1 EMC standards

Designed to meet the following conducted and radiation limits:

EN55022 Class B

FCC Class B

7.2 Safety standards

Designed to meet the following standards:

EN60950-1

UL60950-1

8. Dielectric Strength :

Primary to secondary: 4242VDC 10mA 60secs.
--

9. Leakage Current :

0.25mA (Max) at input 264Vac/50Hz.

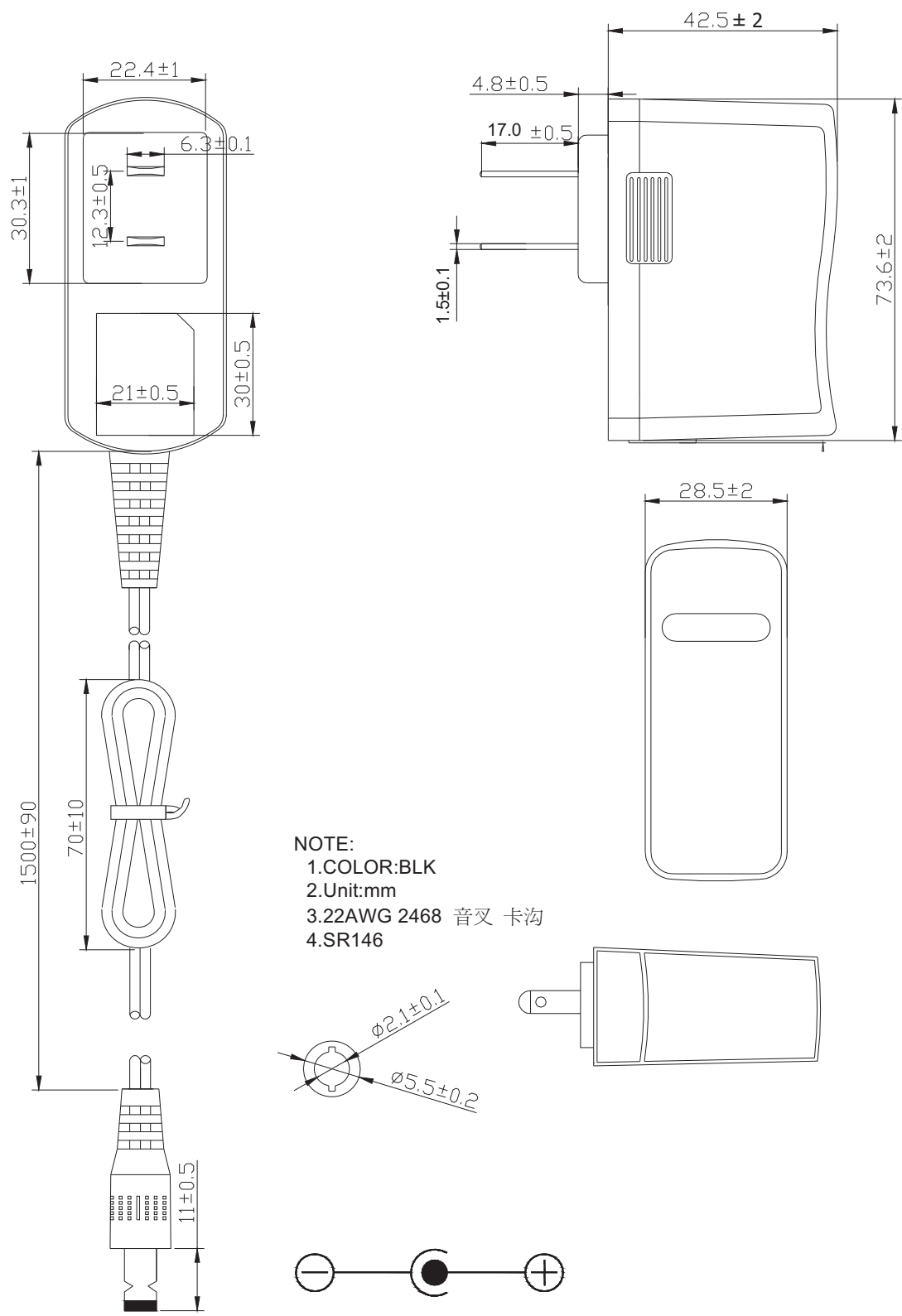
11. Mechanical :

11.1	Weight	About 92 grams per product unit.
------	--------	----------------------------------

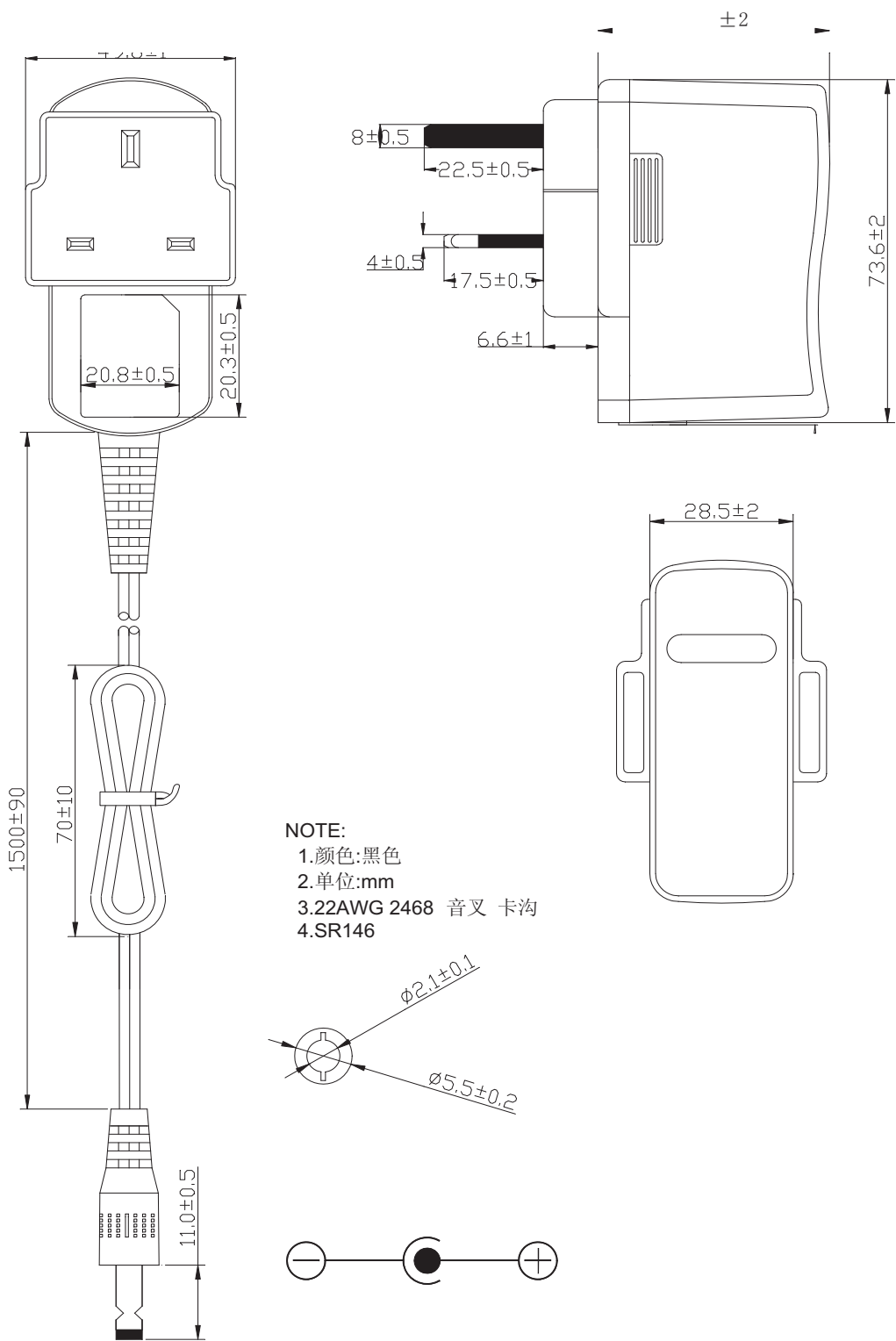
12. Environmental and Reliability Requirements :

12.1	Storage Temperature	-20 ~ + 60°C
12.2	Operation Temperature	0 ~ +40°C
12.3	Storage Humidity	10% ~ 90% RH
12.4	Operation Humidity	20% ~ 80% RH
12.5	Burn-in Test	The unit shall be burned in for 4 hours under nominal input and full load at ambient temperature of 40°C +/-10°C .
12.6	Drop Test	The unit was dropped three times from a height of 1 meter onto a hardwood surface. After drop testing parts must not be broken, bent or disassembled, surface abrasion is permitted. There shall be no change in electrical performance.
12.7	Cable Pull Test	5KG load, Duration: 1 minute.

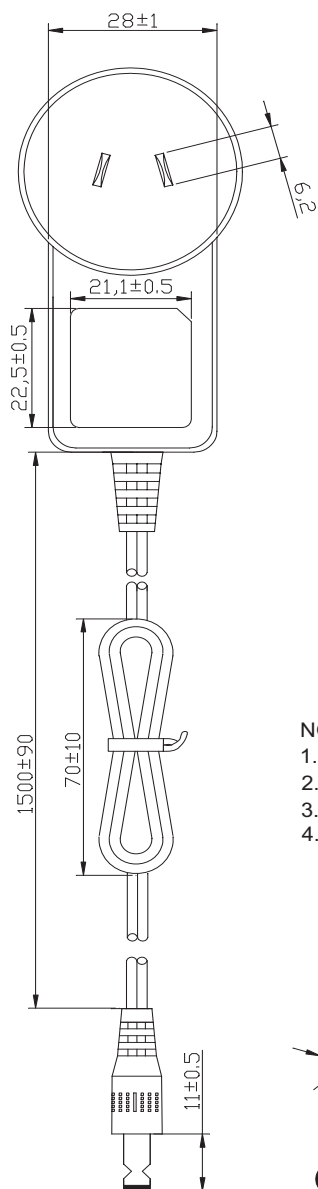
13. Product outline and cable dimensions :



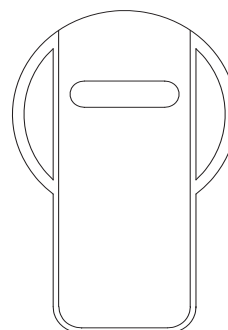
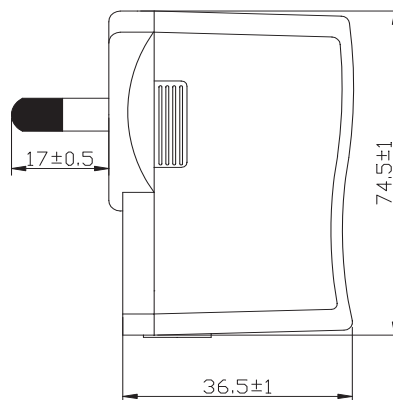
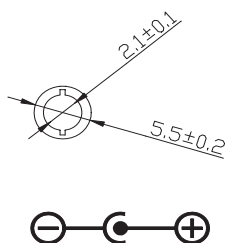
13. Product outline and cable dimensions :



13. Product outline and cable dimensions :



NOTE:
 1.颜色:黑色
 2.单位:mm
 3.22AWG 2468 音叉 卡沟
 4.SR146



13. Product outline and cable dimensions :

