



Editech Co., Ltd.

PRODUCT TYPE (제품 타입) :

TYPE2541

SPECIFICATION FOR APPROVAL

CUSTOMER APPROVAL

CONTENT :

SIGNATURE :

DATE :

CUSTOMER : _____

PART NO. : _____ REV : _____ 1.0A

Please sign and return one copy.

All production units will be built according to this specification, the component specifications remain as same, its brand can be changed

Manufacturer

Approved	Checked	Prepared	QA	Sales

Model No. : TYPE2541

Unit Color : Black

Input : 100 ~ 250V AC. 50/60Hz

Output : 5V DC 2.0A

Product Category : AC/DC ADAPTER

Description : ROHS

Editech Co., Ltd.

Address: 7F, Hanlim-Venture Town, 284 Gongdan-ro | Gunpo-si | Gyeonggi-do | Korea

TEL: +82-31-398-3289

FAX: +82-31-629-5478

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2. Electrical performance

2.1 Input Characteristics :

Rated input voltage	100–250 Vac
Operating range	90–265 Vac
Rated input frequency	50/60 Hz
Rated input current	0.5 A (Max.)
Power consumption (no loading)	0.5 W (Max.) Input voltage 220Vac/60Hz)
Primary current protection	Ceramic fuse, Time-lag type, 3.15A max
Surge Endurance	±4kV (60s period, 10 times)

2.2 Output Characteristics :

2.2.1	Nominal DC output voltage	5 V
2.2.2	Minimum load current	2.0 A
2.2.3	Rating load current	2.0 A
2.2.4	Rating output power	10 W
2.2.5	Line regulation	The line regulation is less than ±3% while measuring at rated load and +/-10% of input voltage changing.
2.2.6	Load regulation	The load regulation for output is less than ±3%, at measured output load from 0% to 100% rated load .
2.2.7	No load voltage range	4.75–5.25 V
2.2.8	Full Load	4.75–5.25 V
2.2.9	Ripple and noise	50 mV (p-p) Full load ripple and noise 50 mV (p-p) Measurement is done by 20MHz bandwidth oscilloscope and the output paralleled a 0.1μF ceramic capacitor and a 10μF electrolytic capacitor.(test under the Condition of rated input and rated output)
2.2.10	Average efficiency	Accord with energy level V. Average efficiency 75% minimum
2.2.11	Shell surface temperature	At 25°C ambient, 80%. Load, 50°C max.
2.2.12	Turn on delay time	500 msec At nominal input AC voltage and full load

2.2.13	Rise time	The Supply shall have a start-up rise time of less than 100 mS to rise to within regulation limits for all DC outputs.
2.2.14	Hold up time	5 mS minimum At nominal input AC voltage and full load
2.2.15	Output over-shoot	Less than 10% of nominal voltage value
2.2.16	Protection function	
	Over current protection	At rated AC input, output current in the range of 2.4–3.5 A, the power supply will protect

2.3 Dielectric Withstand Voltage (HI-POT) :

Engineering test : This Adapter shall be applied 3,000Vac for 60s between AC input terminal to DC output terminal and enclosure. The cutoff current is specified as 10 mA

2.4 Insulation Resistance :

DC 500V, 100 MΩ min between input to output and enclosure.

2.5 Leakage Current :

Line↔DGND & Neutral ↔ DGND, 0.25mA max.

2.6 Overload Test :

In an ambient temperature of 25°C applies a power source of rated input with the output load adjusted to 10% of rated output and rated continuously for 4 Hours, after turning off for 60 minutes in normal temperature.

2.7 Humidity Test :

Temperature 40±2°C, 90~95% RH for 4 Hours after taken out from oven.

2.8 Dampproofing Test :

200mm distance, 10 sec, ±60°spray

3. Mechanical Characteristics

3.1 Strain Relief Test :

Plug and cord, at their normal position applied a weight of 10 lbs. to input plug, 10 lbs. to output cord, for 60 seconds each, there shall be no broken of lead or other damage result.

3.2 Cord Bending Test :

3.3 Drop Test :

Product shall be dropped from a height of 90cm, onto 3mm thickness tile surface 10 times from 3 different surface.

4. Environmental :

4.1 Operating Temperature and Humidity Range :

Operate over the temperature range of -5°C to 50°C , 20% to 85% relative humidity no condensation.

4.2 Storage Temperature and Humidity Range :

The operation specified herein will not be adversely affected if stored or transported within the temperature limits of -5°C to $+60^{\circ}\text{C}$ with relative humidity up to 90% no condensation.

5. Surface Structure :

5.1 Appearance : Rift, dirty etc. are not permitted.

5.2 Outline : Dimensions and express as drawing

5.3 Net Weight : 125g Max.

6. Safety & EMC :

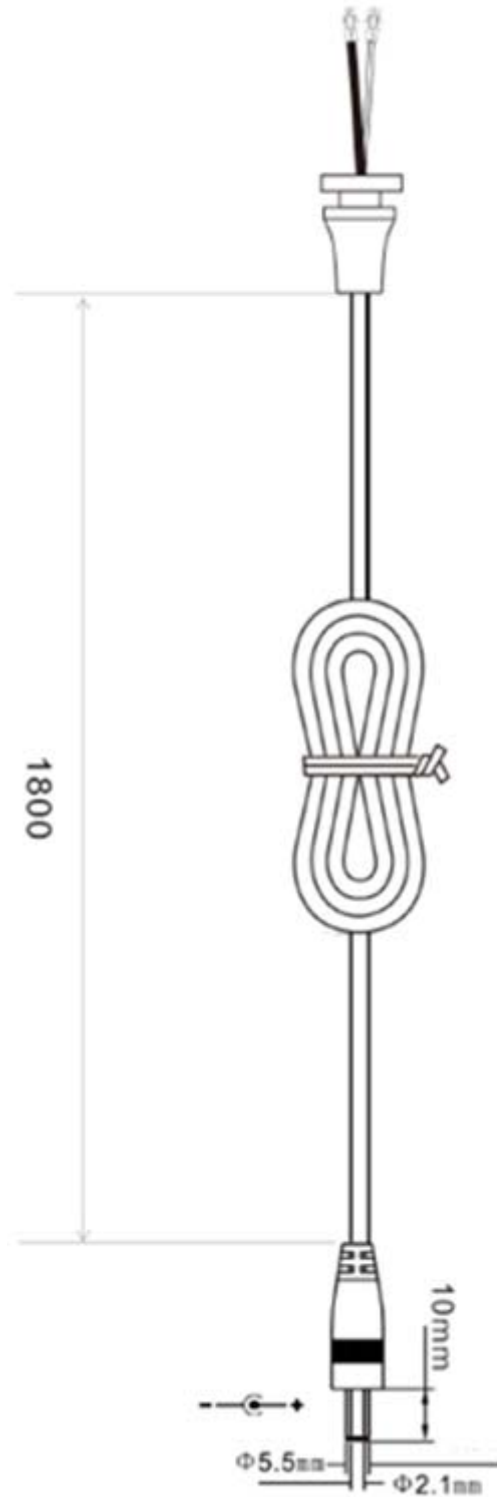
6.1 Safety Standard : K 60950-1

6.2 EMC Standard : CISPR(EN55023) Class B Limit

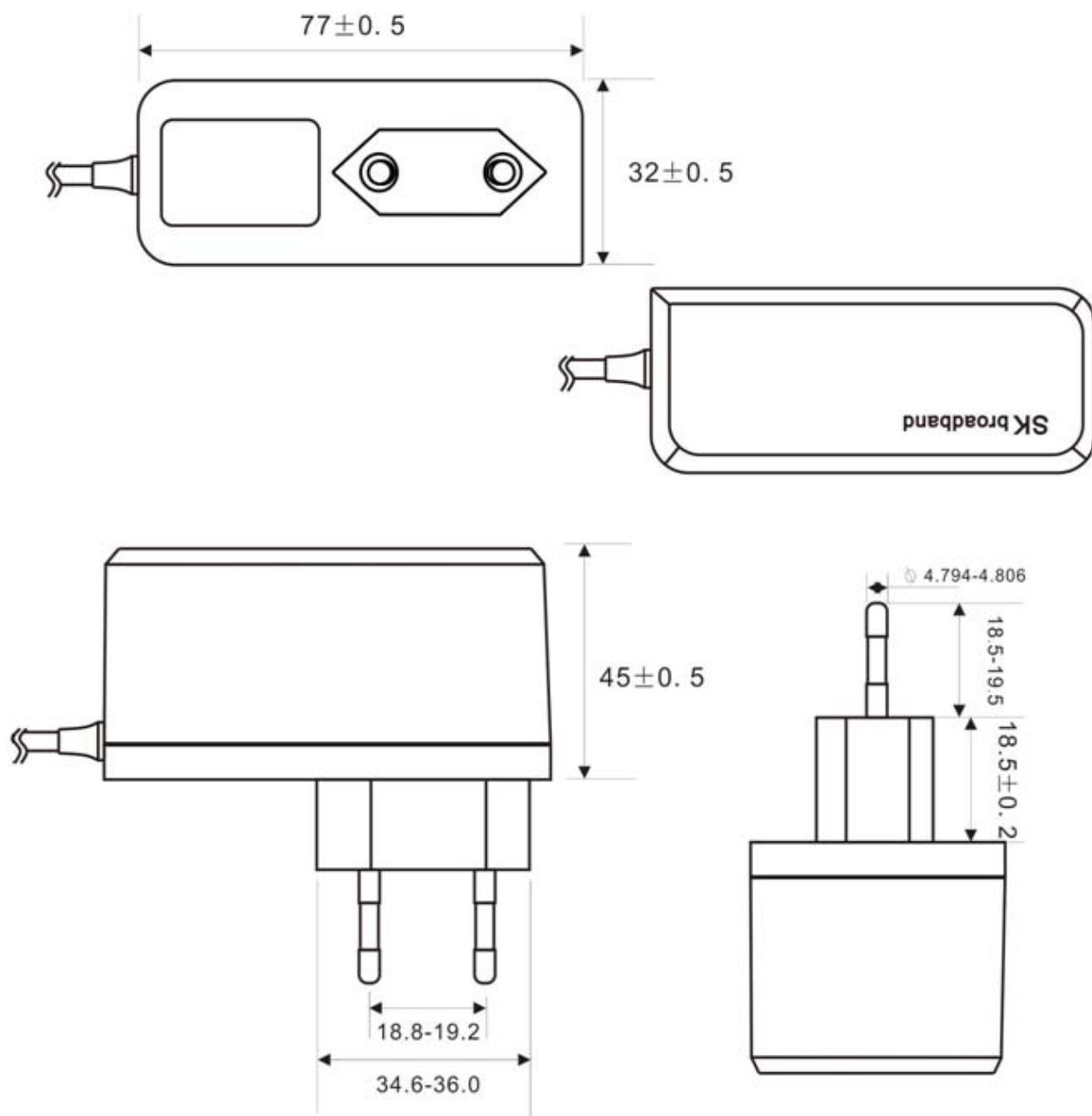
7. MTBF :

The design and construction of this power supply has been tested a minimum mean time between failure of 55,000 hours full rated load operation at 40°C .

8. DC Cord



9. Appearance Drawing (Unit:mm)

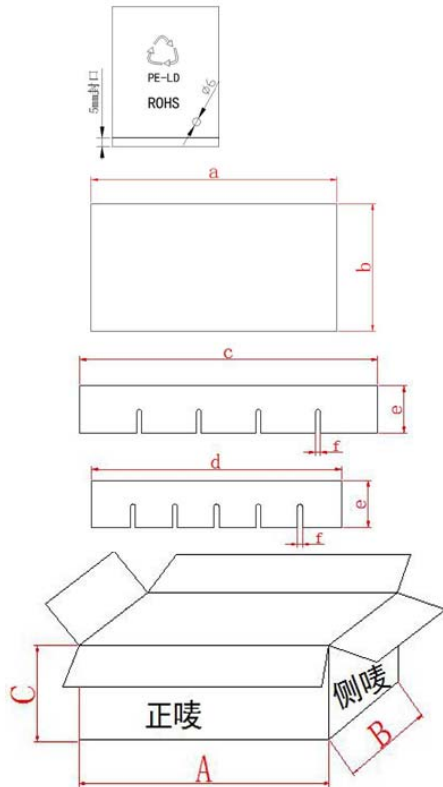


SIZE:L77*W32*H45mm

10. Name Plate (Unit:mm)



11. Packing Dimensions (Unit:mm)



PE bag Size : 160x145MM

PE bag thickness : 0.04±0.005mm

DIMENSION : K4K 5 PCS

L×W×H(470×385×3)

FLAT:B=B 36 PCS HNIVES CARDBOARD:

1 FOUR CARD : L×W×H(470×75×5) 20 PCS

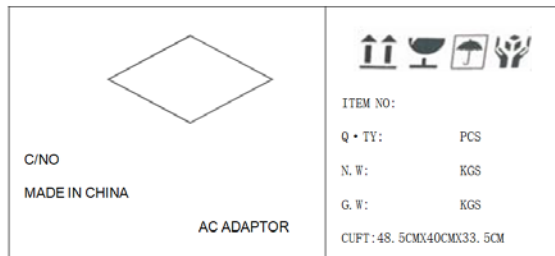
2 FIVE CARD : L×W×H(385×75×5) 16 PCS

OUT CARTON DIMENSION : A=B

L×W×H(485×400×335)

1 OUT CARTON

=120PCS



	A	B	C	a	b
mm	485	400	335	470	385
	c	d	e	f	
mm	470	385	75	5	

NOTE : A box of 120 pcs a total of 4 layers of 30 pcs.

- 1) Clapboard material: K4K, knife material: B=B
- 2) Outer Carton Material : A=B
- 3) Anti static: No requirement.
- 4) Environmental protection requirement: 94/62/EC.
- 5) We will select cardboard packing if customer don't specify packing type.
- 6) The sample package for temporary packaging, the big goods packaging as shown above packaging.