

CUSTOMER:			
DESCRIPTION: I.T.E. POWE	R SUPF	LY REV	7: (A1)
MODEL NO: <u>HK-AY-120A200</u> -E	OH PART 1	_{NO:} HKS	C-16098
DESIGNED NO: 160981-0922			
DESIGNED NO. 100901-0922	DATE.	MAR.25	oui.2017
CUSTOMER APPROVED SIGNATURES	VENDOR A	PPROVED SI	GNATURES
	經 理 2017.03.25 田青松	課 長 2017.03.25 歐陽建瓊	繪圖員 2017.03.25 羅珍珍

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SPECIFICATION CHANGE HISTORY

CUS	STOMER		PART NO HKSC-160981		981	
MOD	EL NO	HK-AY-120A200-DH REV (A1)				
REV	DATE	DES	SCRIPTION			REMARKS
A0	16.09.22	新發行承認書. (New issue)				羅珍珍
A1	17.03.25	更新EMC標準(update EMC standa	rd)			羅珍珍
ENGINEER APPROVAI			AL:			
SAFETY APPROVAL:						
		ELECT	RICAL	STRU	CTURAL	
	Ŧ	長偉松	歐陽建瓊	王令彬	王霖用	睢
	·		此则处堤	エマが	上 杯几	'Amy



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1.0 INTRODUCTION

This document specifies a switching power supply with a output of +12V, and electronic process. The switching power supply will provide power for technology equipments including electrical business equipment. The adaptor meets the requirement of lead free and RoHS.

2.0 INPUT REQUIREMENTS

2.1 Input Voltage Range: 100(-10%)VAC to 240(+10%)VAC

2.2 Input Frequency Range: 47 Hz to 63 Hz

2.3 Input In-rush Current: 50A Max

2.4 Input Power Consumption at no-load : 0.1W Max

Test condition will be tested after No load operating for 30min then measure it.

2.5 Input Current: 0.8A Max

3.0 OUTPUT REQUIREMENTS

3.1 Output Voltage: +12V

3.2 Output Regulation: 11.4-12.6V

3.3 Output Load Range: 0-2.0A

3.4 Output Ripple & Noise: 200mV Max @20MHz bandwidth with 10UF/50V capacitance and 104/50V ceramic capacitor.

4.0 EFFICIENCY: \geq 86.2% @average of 25/50/75/100% loads 115&230VAC input Test condition will be tested after full load operating for 30min then measure it.

5.0 LINE REGULATION: ±2% maximum

6.0 HOLD UP TIME: 10ms Min at 110VAC full load.

7.0 TURN UP TIME: 2S Max at 110VAC full load.



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8.0 TEMPERATURE COEFFICIENT: 0.05%/°C

9.0 DIELECTRIC STRENGTH (Hi-Pot) TEST

9.1 Primary to Secondary :AC 3000Vrms, 4 mA, 1 minute for type test, 2 second for production test.

10.0 INSULATION RESISTANCE

Primary to secondary: 50M OHM to 500VDC.

11.0 PROTECTION

11.1 Input Protection

The switching power supply has a 2 Amps current fuse to protect itself.

- 11.2 Output Protection
- 11.2.1 Output Current:

Overload conditions shall decrease the output voltage. Removal of an output overload shall provide automatic recovery for the output voltage.

11.2.2 Short Circuit Protection: Auto Recovery.



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12.0 ENVIRONMENTAL CONDITIONS

The switching power supply can withstand the following environmental conditions:

12.1 Storage Temperature: -20° C $\sim +70^{\circ}$ C

Relative Humidity:

10% ~ 95%

12.2 Operation Temperature:0°C~40°C

Relative Humidity:

10%~95%

13.0 EMI / EMC

The switching power supply has approved by the following standards:

EN 55032 IS PENDING

14.0 RELIABILITY AND QUALITY CONTROL

14.1 Burn-in

The burn-in test will be performed at least 2 hours at 40 centigrade degrees under full load condition.

14.2 MTBF

When the operation is compling with this specification, the switching power supply's MTBF will be 50,000 hours at 25 centigrade degrees.

15.0 SAFETY

The switching power supply has approved by the following safety standards:

UL 60950-1, 2nd Edition,2014-10-14 CSA C22.2 NO.60950-1-07, 2nd Edition,2014-10

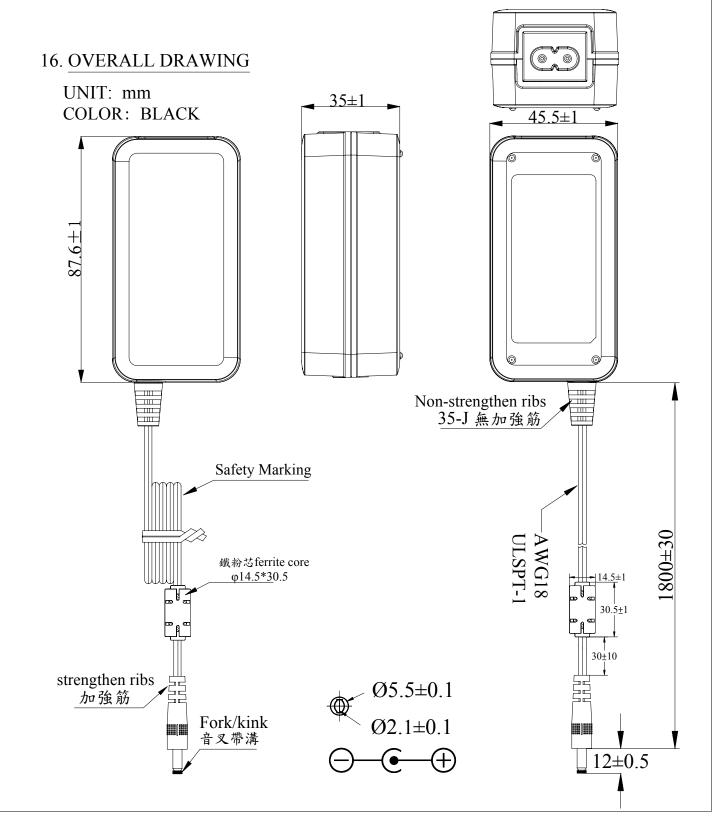
EN60950-1:2006+A11+A1+A12+A2

BS EN60950-1:2006+A2

AS/NZS 60950.1:2015



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17. PACKING

17.1 Inner Box

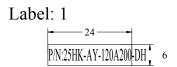
UNIT: mm

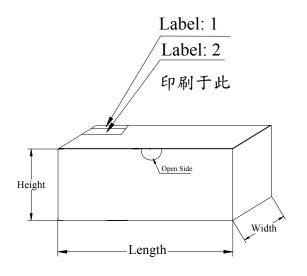
BOX(Normal BOX Corrugated BOX)

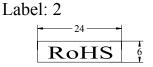
Length: 100

Width: 50

Height: 48







NOTICE:

Its probably different from the white box of the sample and the figure dimension. The white box is used to pack during product.

注意:樣品使用的小白盒尺寸可能與此圖面尺寸不同,此圖面尺寸是用于生產時的包裝.

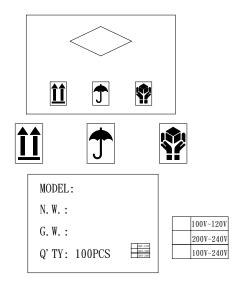


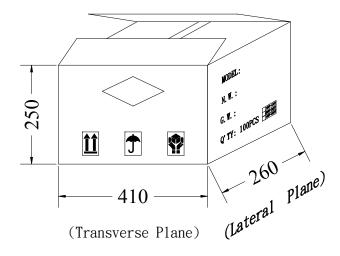
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17. PACKING

17.2 Carton

UNIT: mm



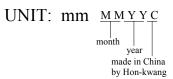


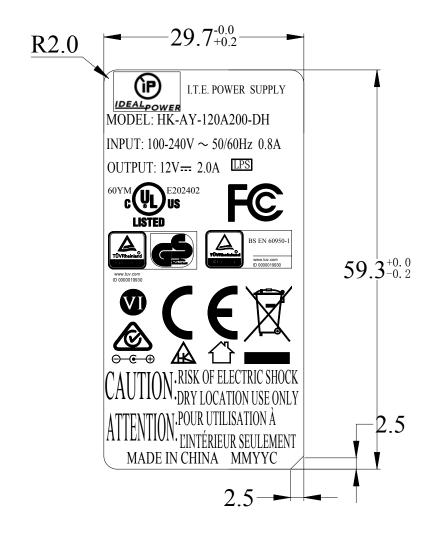


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18. MARKING

100# CPC 壓花底+上光 NAME-PLATE: WHITE CHARACTERS BLACK BACKGROUND.





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