

CUSTOMER:					
DESCRIPTION: I.T.E.	POWER SUPPLY	REV: _	(A0)		
MODEL NO: <u>HK-AW-09</u>	00A167-CP PART 1	NO:_HKSC	C-161217		
DESIGNED NO: 161217	DESIGNED NO: 161217-1217 DATE: DEC.17th.2016				
CUSTOMER APPROVED SIG	GNATURES VENDOR A	APPROVED SI	GNATURES		
	經 理 2016.12.17 田青松	課長 2016.12.17 歐陽建瓊	繪圖員 2016.12.17 羅珍珍		

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CUS	STOMER		PART NO		HKSC-16	1217
MOD	EL NO	HK-AW-090A167-CP	REV		(A0)	
REV	DATE	DES	SCRIPTION	1		REMARKS
A0	16.12.17	新發行承認書.(New issue.)				羅珍珍
			E	NGINEER A	APPROV <i>A</i>	L:
SAFETY APPROVAL:		,				
			ELECT	RICAL	STRU	CTURAL
		張偉松	歐陽建瓊 王令彬 沈保良		呆良	
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1.0 INTRODUCTION

This document specifies a switching power supply with a output of +9V, 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: 0.4A Max

3.0 OUTPUT REQUIREMENTS

3.1 Output Voltage: +9V

3.2 Output Regulation: 8.55-9.45V

3.3 Output Load Range: 0-1.67A

3.4 Output Ripple & Noise: 200mV Max @20MHz bandwidth with

10UF/50V capacitance and 104/50V ceramic capacitor.

4.0 EFFICIENCY: ≥ 84.14% @ average of 25/50/75/100% loads 115V&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 ON 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

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 inner 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: $10\% \sim 95\%$

12.2 Operation Temperature:0°C~40°C

Relative Humidity: 10%~95%

13.0 EMI / EMC

The switching power supply has designed to meet the following safety standards:

FCC PART 15 Class B J55022(H22)

CISPR 22:2008(Ed 6.0)AS/NZS CISPR 22:2009+A1:2010; CISPR 24:2010(Ed

2.0)AS/NZS CISPR 24:2013

EN55022:2010/AC:2011 IEC61000-4-3:2006/A1:2007/A2:2010

EN61000-3-2:2014 IEC61000-4-4:2012 EN61000-3-3:2013 IEC61000-4-5:2014 EN55024:2010 IEC61000-4-5:2014 IEC61000-4-2:2008 IEC61000-4-6:2013

IEC61000-4-8:2009 IEC61000-4-11:2004

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 designed to meet the following safety standards:

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

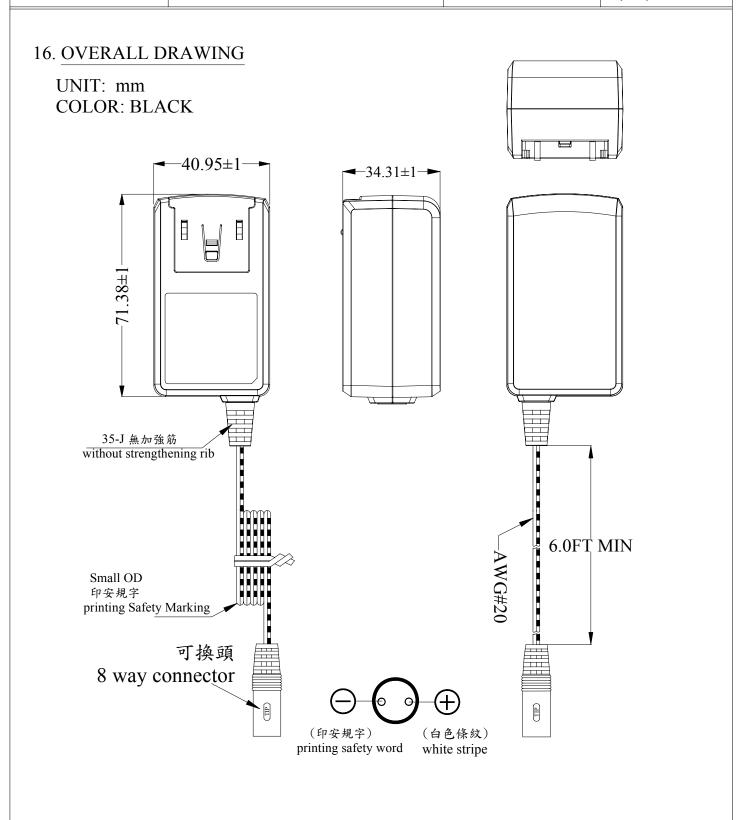
EN60950-1:2006+A11+A1+A12+A2 BS EN60950-1:2006+A2

AS/NZS 60950.1:2015

J60950-1(H27)

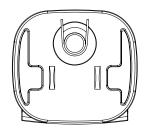


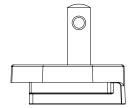
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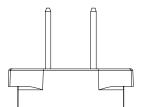


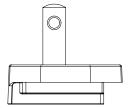


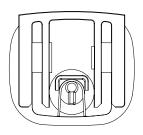
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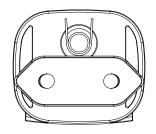


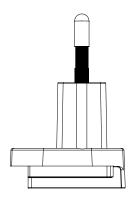


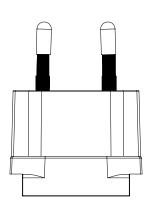
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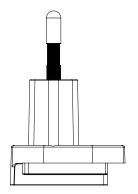


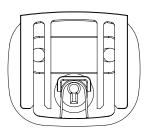
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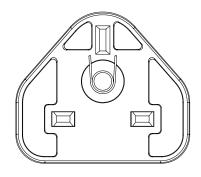


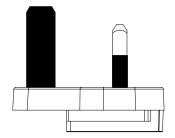


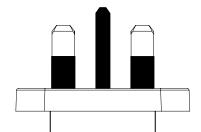
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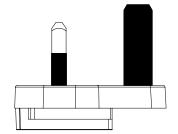


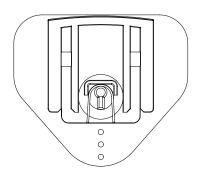
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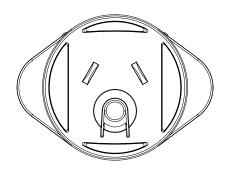


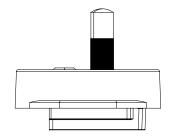


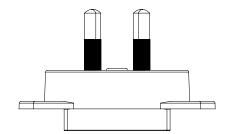
UK

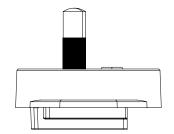


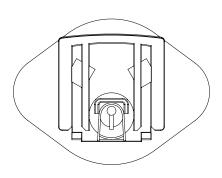
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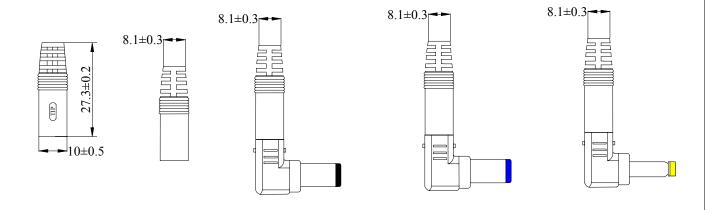


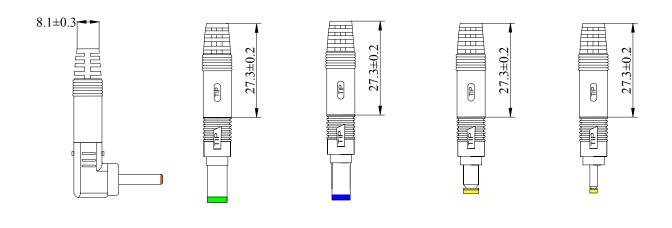


SAA



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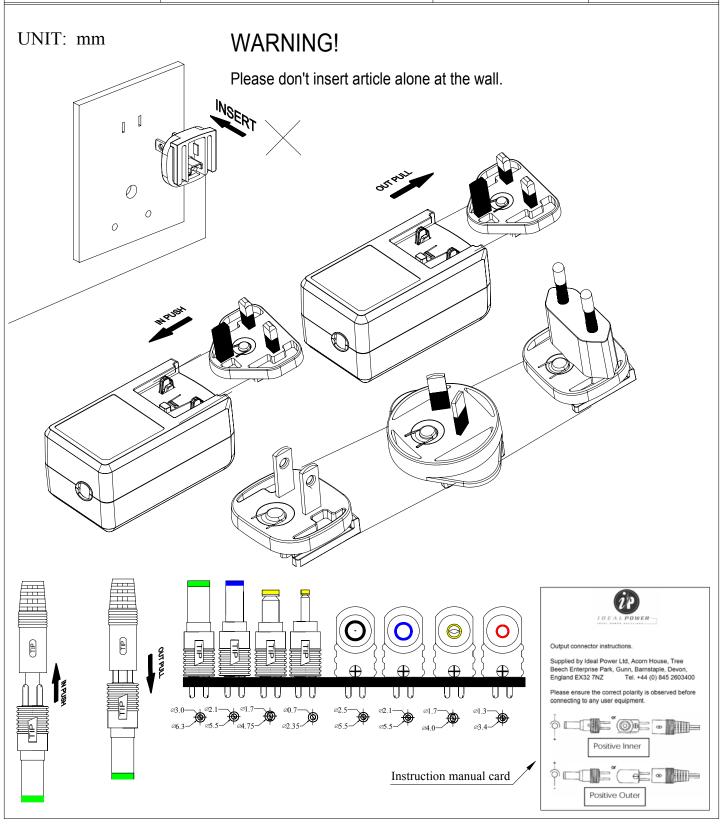




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17. PACKING

17.1 Inner Box

UNIT: mm

В

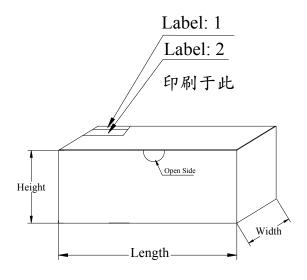
BOX(Normal BOX Corrugated BOX)

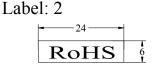
Length:115

Width:77

Height:49

Label: 1
PN:25HK-AW-090A167-CP





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.

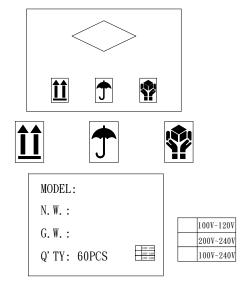


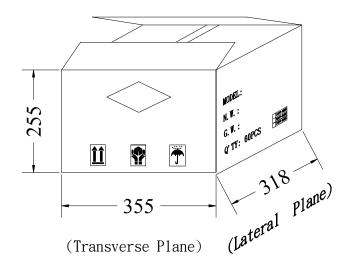
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17. PACKING

17.2 Carton

UNIT: mm





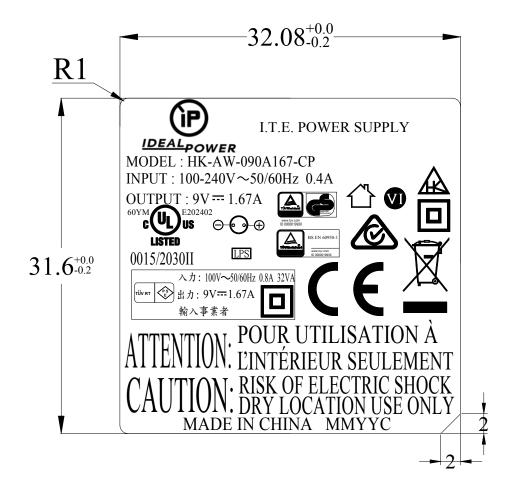


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18. MARKING

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

UNIT: mm MMYYC
month year
made in China
by Hon-kwang



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