



英格爾科技股份有限公司

ENG ELECTRIC CO., LTD.

Revision 01

Approval Sheet

CUSTOMER: AF55A




CUSTOMER MODEL NO.: _____

ENG MODEL NO.: 6A-051WT05

ENG PART NO.: 6A-051WT05-026

DESCRIPTION: Switching Power Supply

DATE: 2016/6/30

DESIGNED	CHECKED	APPROVED
		

APPROVAL DATE:

CUSTOMER APPROVAL		

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180號中核集團工業區A棟

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ENG ELECTRIC CO., LTD.

FILE NO.: EN-RDS-Z045

FILE: 6A-051WT05-026

SHEET: 01

1. Product characteristics

1.1 General Description

Model 6A-051WT05 is an universal switching-mode power supply, operating at input voltage 90VAC to 264VAC and output voltage of 5.0VDC with 1.0A DC load

1.2 Electric Characteristics

1.2.1 Input

No	ITEM	SPECIFICATION
1.	Input Voltage Rated	AC100V-240V
	Input Voltage Range	AC90V-264V
2.	Frequency Rated	50-60Hz
	Frequency Range	47-63Hz
3.	Input Current Rated	300mA RMS Max
	Inrush Current	No damage on power supply when switching it on/off repeatedly under any condition
4.	Leakage current	0.25mA
5	Average Efficiency	73.62% Min (CEC & DOE LEVEL VI Compliant) 73.77% Min (ErP Tier2 Compliant)
6.	Input Power(no load)	<0.1W (CEC & DOE LEVEL VI Compliant) <0.075W (ErP Tier2 Compliant)

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SHEET:02

1.2.2: Output:

No	ITEM	SPECIFICATION	
1.	output Voltage	5.0VDC	
2.	output max. current	1.0A	
3.	output min. Current	0A	
4.	Line regulation	± 1%	
5.	Output voltage range(No Load)	4.75~6.0V	
6.	Output voltage range(Full Load)	4.75~5.25V	
7.	Over voltage protection	Protect through primary circuit IC	
8.	Short circuit protection	Output shut down and Auto restart	
9.	Ripple Voltage	150mV (p-p)	Input :(100V-240VAC)
			Output:full load

Note: *1. Ripple&Noise test: Use 20MHz band width frequency oscilloscope.Add 0.1uF/47uF Capacitors at output connector terminal.

1.2.3 HI-POT SPECIFICATION

Input to output : 3000VAC or 4242VDC 10mA 1 minute.

1.2.4 Insulation resistance:

Input to output: 500Vdc to test the input to output resistance not be less 100M Ohm

1.2.5 Safety approved: CE.GS

1.2.6 PB-free standard: RoHS Compliant

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1.3 Mechanical characteristics

1.3.1 AC Plug: INLET Type:VDE

1.3.2 DC cord:

(1) Bending test: Life 1000 times 100% guarantee. Swings 120 from

Left to right loading weight 200g , 40 cycle/minute.

(2) Pull test : DC cord and plug ,weight 6kg for 1 minute.

1.3.3 Cord length and output plug: See Reference Att.4

1.3.4 Weight : _____g

1.3.5 Case Size: (L)54.2 X (W)36X (H)59.2mm

1.3.6 Normal operating temperature and humidity

1.3.7 Temperature

Operating: 0°C to 40°C

Storage : -10°C to 70°C

1.3.8 Humidity

Operating : 20% to 80%.

Storage: 10% to 90%

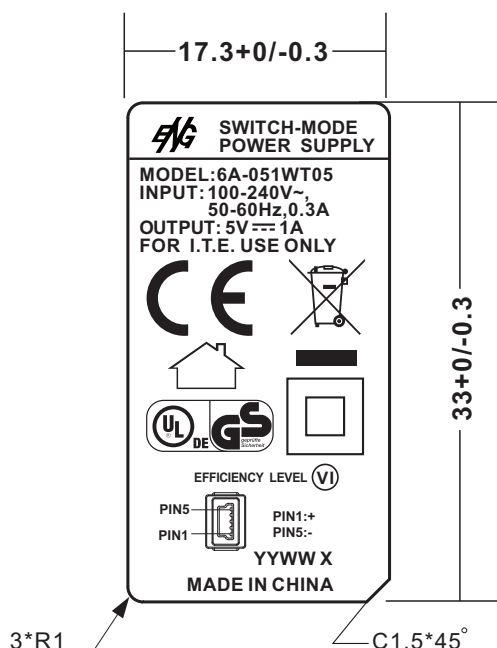
ENG ELECTRIC CO., LTD.

FILE NO.: EN-RDS-Z045 FILE: 6A-051WT05-026

SHEET: 04

2.Attachment:

- (Att.1) Label
- (Att.2) Outdrawing
- (Att.3) Package
- (Att.3.1) Package flow chart
- (Att.4) DC cord drawing



Production note:

生產注意:

- 1) PDF file is only for content checking while mass production film version is subject referred to CorelDRAW files ;
PDF檔僅為內容核對用,銘版生產出菲林請用CorelDRAW檔;
- 2) The manufacturer must ensure the PDF file content of the file drawing No. / version / date / label version are exactly same as CorelDRAW file Drawing.
生產商必需確認PDF檔與CorelDRAW檔圖號/版本/日期/銘版內容完全一致。

UNIT: mm

YYWW X YY:YEAR WW:WEEK X=S or A(S:FU YONG A:DONG GUAN)

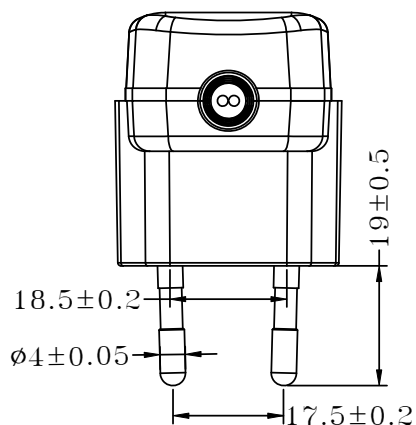
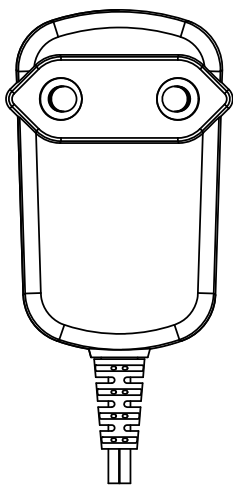
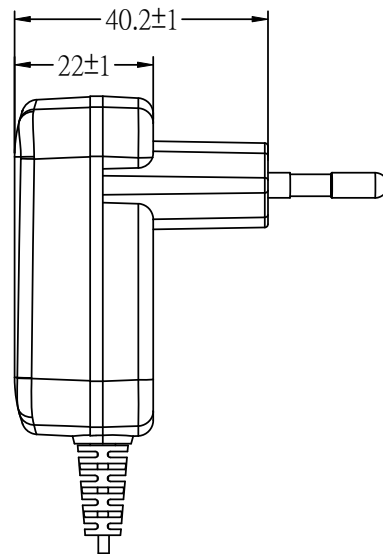
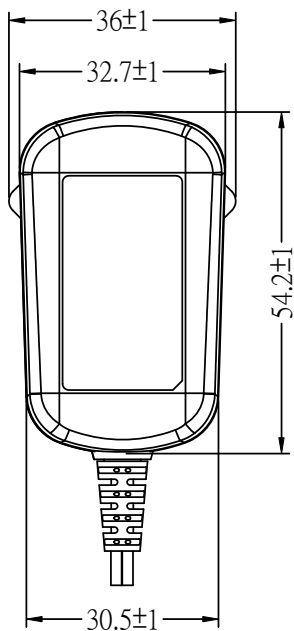
ALUMINUM NAMEPLATE: ○ BLACK WORD ON SILVER BASE(銀底黑字)
(鋁板) ○ SILVER WORD ON BLACK BASE(黑底銀字)

METALIZED POLYESTER: ○ BLACK WORD ON SILVER BASE(銀底黑字)
(SILVER MATTE) ● SILVER WORD ON BLACK BASE(黑底銀字)
(消銀龍)

TOLERANCE				

6A-051WT05-026

DESIGNED	CHECKED	APPROVED		TITLE	DATE
				LABEL	
			UNITS	mm	DRAWING NO.
			SCALE	2:1	N20-AF55A0-A32
ENG ELECTRIC CO., LTD.				DRAWING NAME	REVISION
				0318	01



TOLERANCE				

DESIGNED	CHECKED	APPROVED		TITLE	DATE
工程 2016.06.30 張草花	工程 2016.06.30 徐鵬	工程課長 2016.06.30 劉輕舟		UNITS mm SCALE	OUTDRAWING DRAWING No. 031807-001
ENG ELECTRIC CO., LTD.				DRAWING NAME 031807	REVISION 01

Att.3

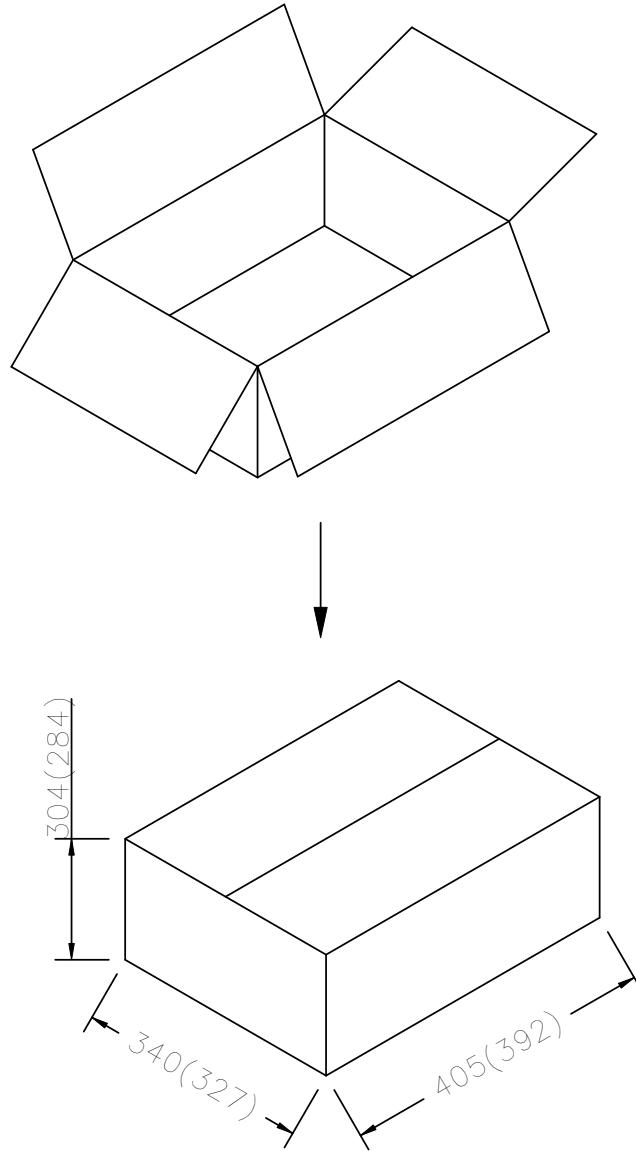
EXTERNAL CARTON MATERIAL:A=B(6mm)

CARTON SIZE: 405X340X304mm

外箱尺寸 405X340X304mm

Q'TY: 160pcs(20x8)

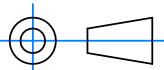



数量 160pcs(20x8)

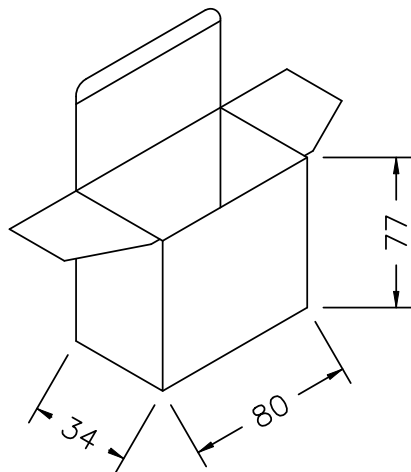
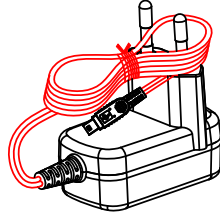


The tolerance of the internal dimensions of the carton is +7/-0

紙箱內度尺寸公差為+7/-0

TOLERANCE				

DESIGNED	CHECKED	APPROVED			TITLE	DATE
			UNITS	mm	PACKAGE DRAWING No. PG6-2080-H-50	10/09/24
ENG ELECTRIC CO., LTD.			SCALE			



White Box: NO.166

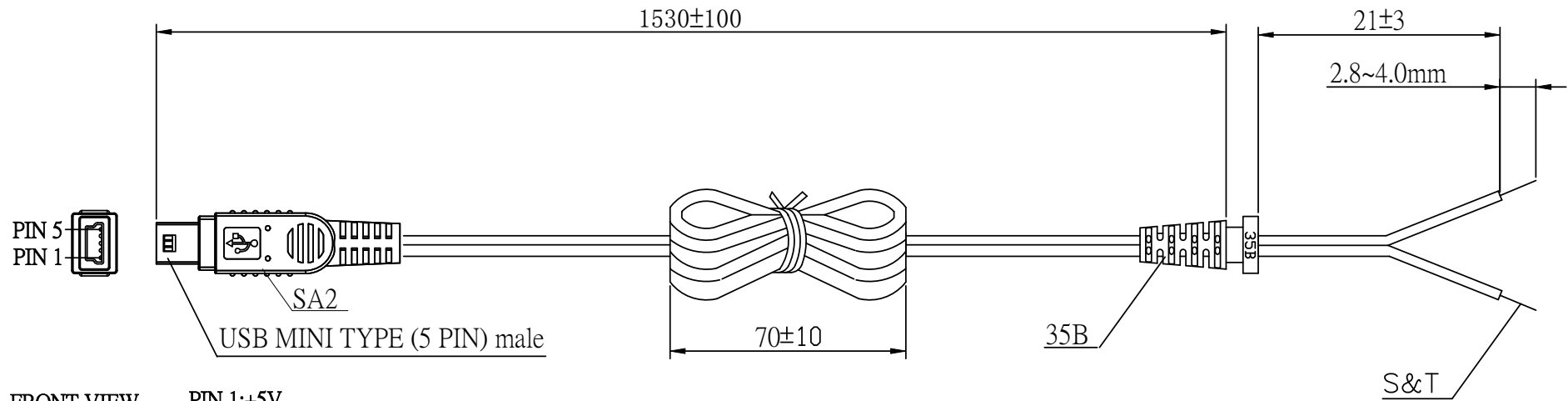


小礼盒号码 166#

The tolerance of the external dimensions of the white box is ± 1
 小禮盒外度尺寸公差為 ± 1

TOLERANCE				

DESIGNED	CHECKED	APPROVED			TITLE	DATE
			UNITS	mm	PACKAGE FLOW CHART	16/06/30
ENG ELECTRIC CO., LTD.					DRAWING No.	REVISION
					6A-051WT05-026	01
					DRAWING NAME	
					166#	



FRONT VIEW

1	5
PIN 1:+5V PIN 2:N/C PIN 3:N/C PIN 4:N/C PIN 5:COM	

#20AWGX2C UL2468
 OD: Ø1.9*3.8

HAVE ON WORD WIRE IN PIN5;NO WORD WIRE IN PIN1(有字接PIN5;無字接PIN1)

TOLERANCE				

Parameter request	
搖擺測試 BENDING TEST	a. ±60° b. 吊重200g WEIGHT 200g c. 40回/分 40 ROUND/MINUTE d. 1000次/最少 OVER 1000 COUNT MIN

DESIGNED	CHECKED	APPROVED	TITLE		DATE
			DC CORD		16/06/30
ENG ELECTRIC CO., LTD.			UNITS	mm	DRAWING No. 6A-051WT05-026
			SCALE		
ENG ELECTRIC CO., LTD.			DRAWING NAME 31-35BSA2-XXX-00		REVISION 01