



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-051WT05-029

DESCRIPTION: Switching Power Supply

DATE: 2016/12/26

DESIGNED	CHECKED	APPROVED
		

APPROVAL DATE:

CUSTOMER APPROVAL		

總部：台灣桃園縣龜山鄉民生北路1段536號5樓

Head Office: 5F, No.536, Sec.1, Minsheng N.Rd, Kweishan Hsiang, Taoyuan County, Taiwan
TEL: 886-3-2121133 / FAX: 886-3-2121561

工廠：深圳市寶安區福永街道白石廈東區淇譽路
180號中核集團工業區A棟

Factory: Block A, Nuclear Group Industrial Dist
No.180, Qiyu Road, Baishixia, Fuyong Street, Bao
Shenzhen, CHINA

TEL: + 86-755-27299155

FAX: +86-755-81443663

工廠：深圳市寶安區福永街道白石廈東區淇譽路
180號中核集團工業區B棟

Factory: Block B, Nuclear Group Industrial District,
No.180, Qiyu Road, Baishixia, Fuyong Street, Bao'an,
Shenzhen, CHINA

TEL: + 86-755-27307512

FAX: +86-755-27308049

ENG ELECTRIC CO., LTD.

CONTENT

NO.	DESCRIPTION
1	Product characteristics
1 .1	General description
1 .2	Electrical characteristics
1 .3	Mechanical characteristics
2	Attachment
(Att. 1)	Label
(Att. 2)	Outdrawing
(Att. 3)	Package
(Att. 3.1)	Package flow chart
(Att. 4)	DC cord drawing

ENG ELECTRIC CO., LTD.

FILE NO.: EN-RDS-Z394

FILE: 6A-051WT05-029

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)

ENG ELECTRIC CO., LTD.

FILE NO.: EN-RDS-Z394

FILE: 6A-051WT05-029

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 Environmental standard: RoHS compliant

ENG ELECTRIC CO., LTD.

FILE NO.: EN-RDS-Z394

FILE: 6A-051WT05-029

SHEET: 03

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%

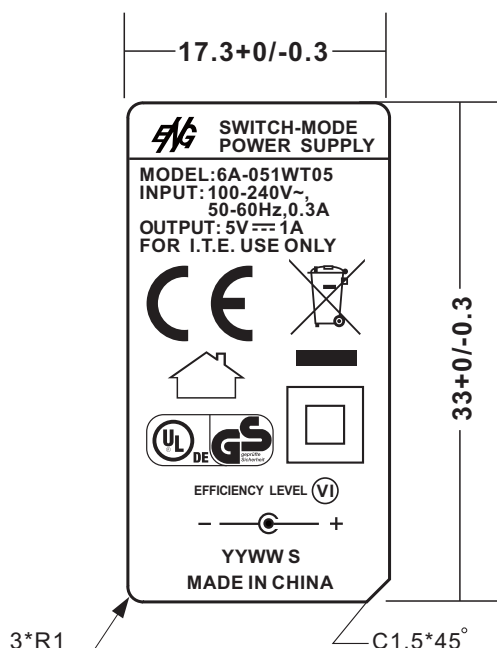
ENG ELECTRIC CO., LTD.

FILE NO.: EN-RDS-Z394 FILE: 6A-051WT05-029

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

YYWWS YY:YEAR WW:WEEK S:FU YONG

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

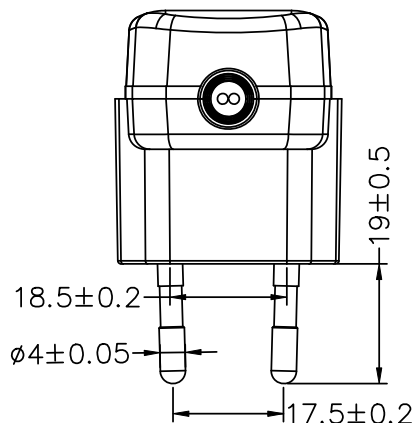
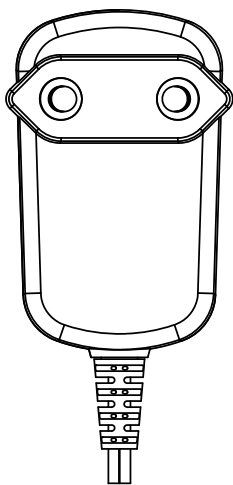
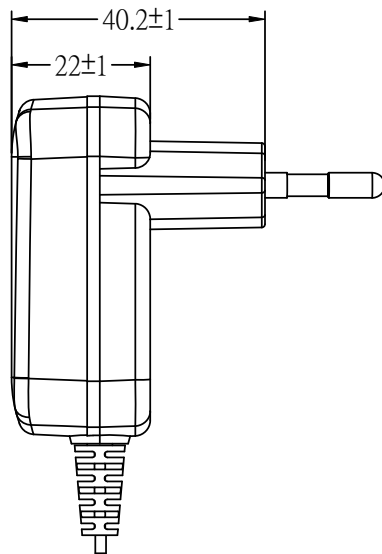
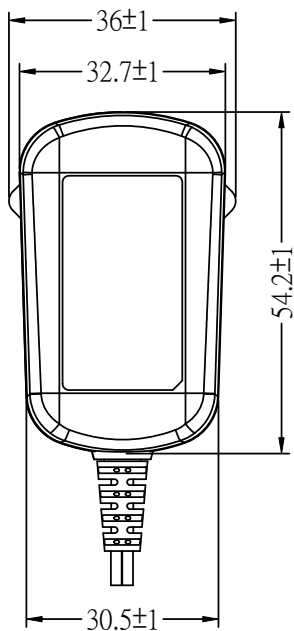
METALIZED POLYESTER: ○ BLACK WORD ON SILVER BASE(銀底黑字)
(SILVER MATTE) ● SILVER WORD ON BLACK BASE(黑底銀字)
(消銀龍)

TOLERANCE				

6A-051WT05-029

DESIGNED	CHECKED	APPROVED		TITLE	<p>LABEL</p>	DATE			
<p>工程 2016.12.23 項玉璘</p>	<p>工程 2016.12.26 徐鵬</p>	<p>工程課長 2016.12.26 劉輕舟</p>		UNITS		mm	DRAWING NO.	16/12/23	
ENG ELECTRIC CO., LTD.				SCALE	2:1	DRAWING NAME	0318	REVISION	01

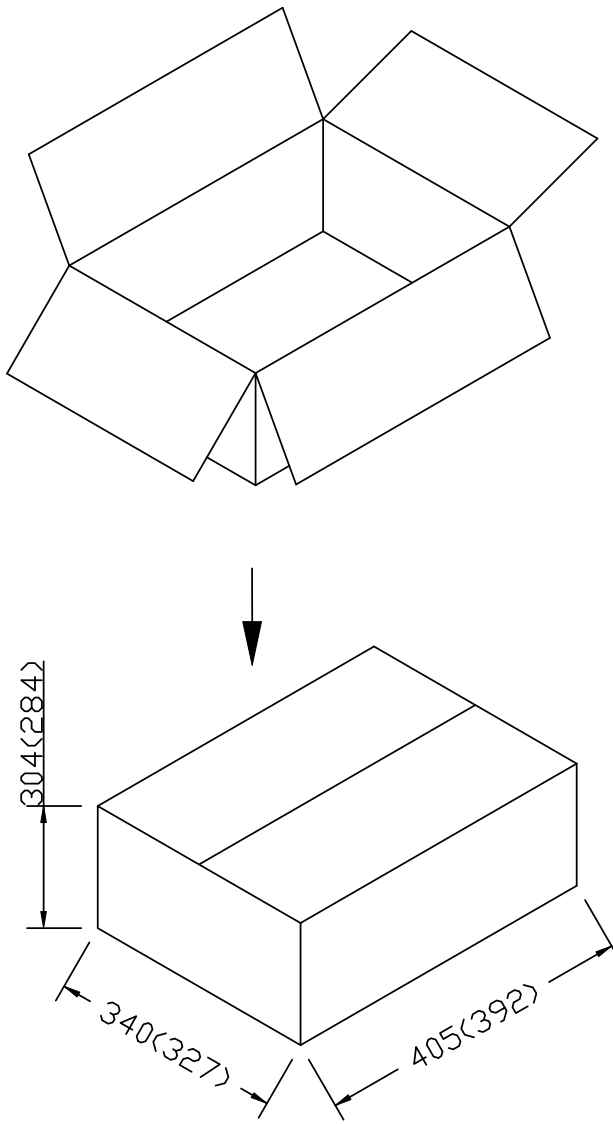
Att.2



TOLERANCE				

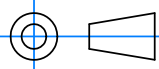
DESIGNED	CHECKED	APPROVED		TITLE	DATE
工程部 2016.12.23 項玉璘	工程部 2016.12.26 徐鵬	工程部課長 2016.12.26 劉輕舟		UNITS	OUTDRAWING
SCALE				DRAWING No.	07/12/21
ENG ELECTRIC CO., LTD.				DRAWING NAME	REVISION
				031807-001	01
				031807	

EXTERNAL CARTON MATERIAL: A=B(6mm)
 CARTON SIZE: 405X340X304mm
外箱尺寸 405X340X304mm
 Q'TY: 160pcs(20x8)
数量 160pcs(20x8)

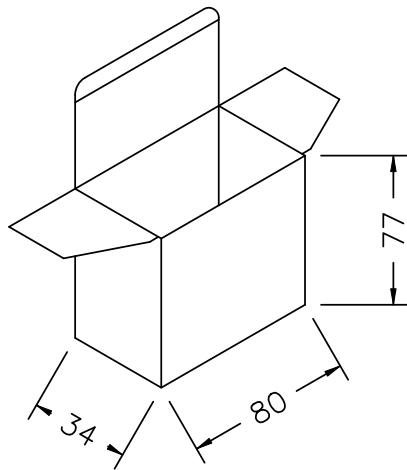
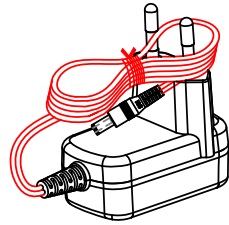


The tolerance of the internal dimensions of the carton is +7/-0
 紙箱內度尺寸公差為+7/-0

TOLERANCE				

DESIGNED	CHECKED	APPROVED		TITLE	PACKAGE	DATE
工程部 2016.12.23 頂玉璘	工程部 2016.12.26 徐鵬	工程部長 2016.12.26 劉輕舟		UNITS		mm
ENG ELECTRIC CO., LTD.			SCALE	DRAWING NAME	PG6-2080-H-50	REVISION
				G6-2080-H-50		02

Att.3.1



White Box: NO.166



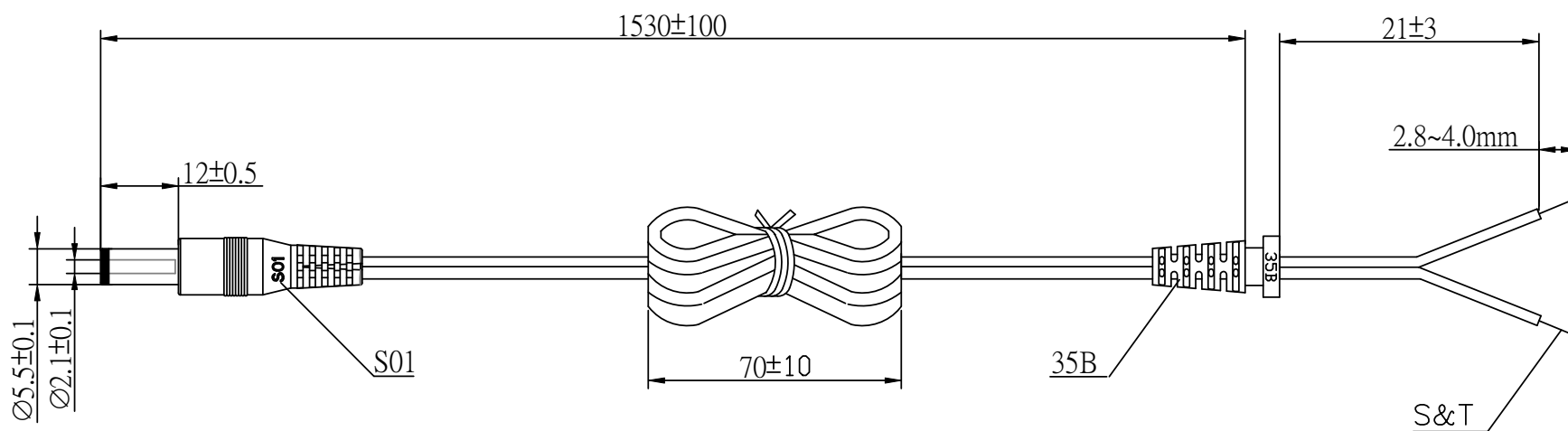
小礼盒号码 166#

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
工程 2016.12.23 頂玉璘	工程 2016.12.26 徐鵬	工程部長 2016.12.26 劉輕舟		UNITS	PACKAGE FLOW CHART
			mm	DRAWING No.	16/12/23
			SCALE	6A-051WT05-029	
ENG ELECTRIC CO., LTD.				DRAWING NAME	REVISION
				166#	01

Att.4



#22AWGX2C UL2468 HAVE ON WORD WIRE IN OUTER, NO WORD WIRE IN INNER(有字接外，無字接內)
 OD: Ø1.7*3.4

TOLERANCE				

Parameter request	
搖擺測試 VIBRATION 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	UNITS		TITLE	DATE
工程部 2016.12.23 項玉璘	工程部 2016.12.26 徐鵬	工程部課長 2016.12.26 劉輕舟	mm			
ENG ELECTRIC CO., LTD.					SCALE	REVISION
						01

DRAWING No.	6A-051WT05-029
DRAWING NAME	21-35BS01-03B-00