



第 01 版

CUSTOMER Y02

# Approval Sheet

DESIGNED NO.: SWITCHING POWER SUPPLIES




MODEL NO.: 3A-161DB12

ENG NO.: @3A-161DB12-022

*MASTER  
T33255T*

APPROVAL		

Remark: 1).Please approve and sign back to ENG ELEC.  
 2).If there is no signing back,this Approval sheet will be regarded as being approved automatically once the first P.O. of the model specified in the sheet is issued.

SUPPLIER		
DESIGN	CHECKED	APPROVED
		



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# SHENZHEN ENG ELECTRONICS CO., LTD.

FILE NO.: EN-RDS-5867

FILE: @3A-161DB12-022

產品承認書

SHEET: 01

## 1 Product Characteristics:

### 1.1 General Description

Model 3A-161DB12 is a universal switching-mode power supply, operating at input voltage 90VAC to 255VAC and output voltage of 12VDC with 1.25A DC load

### 1.2 Electric Characteristics

#### 1.2.1 Input

No	ITEM	SPECIFICATION
1.	Rated input Voltage	AC100V-240V
	Vibration input Voltage Range	AC90V-264V
2.	Frequency Rated	50-60Hz
	Frequency Vibration	47-63Hz
3.	Input Rated Current	600mA RMS Max
	Inrush Current	30A Max .at 115vac cool start
		60A Max. at 230vac cool start
4.	Leakage current	3.5mA
5.	Efficiency	65% Min.

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# SHENZHEN ENG ELECTRONICS CO., LTD.

FILE NO.: EN-RDS-5867

FILE: @3A-161DB12-022

產品承認書 SHEET: 02

## 1.2.2 Output:

No	ITEM	V1
1.	output Voltage	12VDC
2.	output max. current	1.25A
3.	output min. Current	0A
4.	Line regulation	± 1%
5.	Load regulation	± 5%
6.	Over voltage protection	15V to 18V DC(output shut down)
7.	Short circuit protection	Output shut down and auto restart
8.	Ripple Voltage (L.F.)	150mV (p-p) (100V-240VAC Input)

## 1.2.3 HI-POT SPECIFICATION

Input to output : 1500VAC or 2121VDC 10mA 1 minute.

## 1.2.4 Insulation resistance:

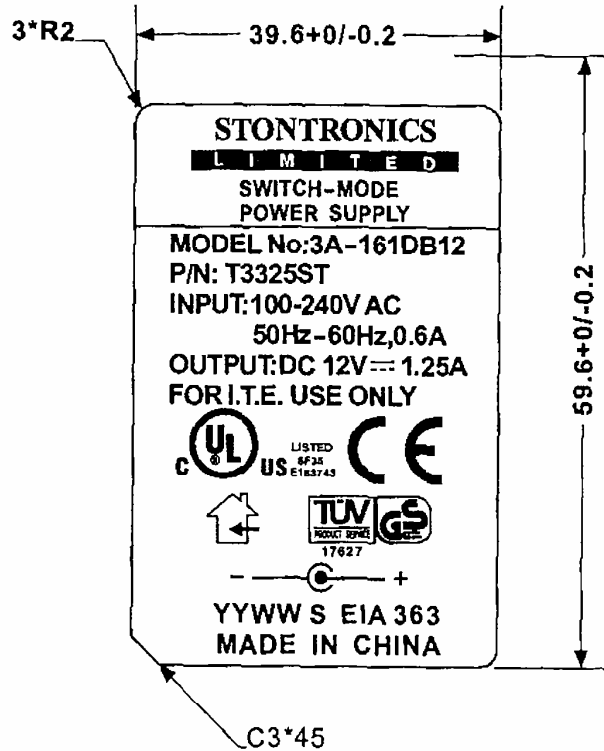
Input to output: 500vdc to test the input to output resistance not be less 100M ohm

## 1.2.5 Safety approved: UL CUL GS CE

## 1.2.6 EMI standard : EN55022 B

## 1.2.7 PB-free standard : <ENG-EHSM-M 009>

Att.1



UNIT: mm

YYWWS YY:YEAR WW:WEEK S:FU YONG

ALUMINUM NAMEPLATE: ○ BLACK WORD ON SILVER BASE

○ SILVER WORD ON BLACK BASE

METALIZED POLYESTER: ● BLACK WORD ON SILVER BASE

(SILVER MATTE)

○ SILVER WORD ON BLACK BASE

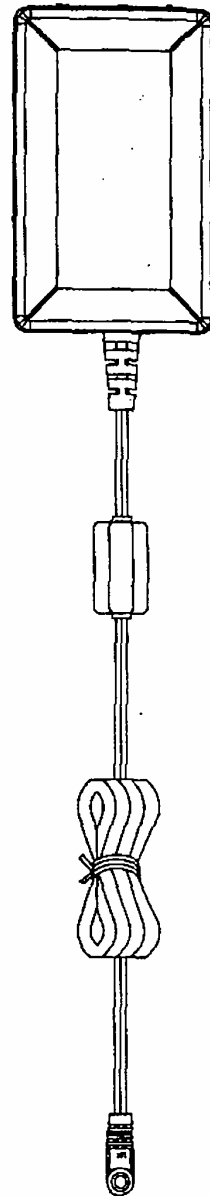
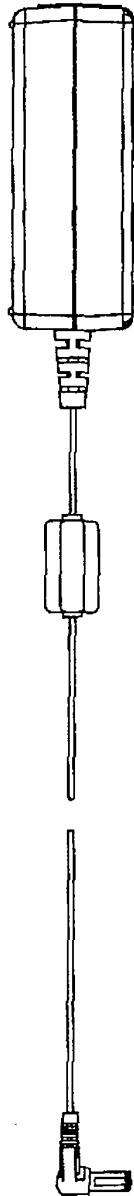
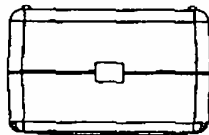
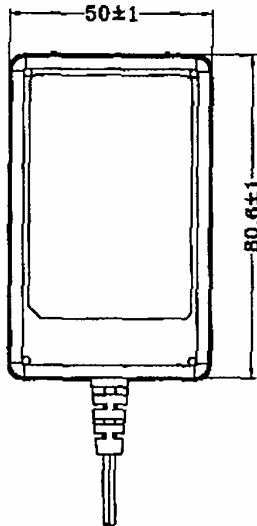
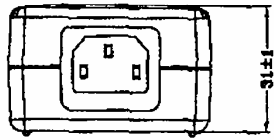
公差表

\*@3A-161DB12-022

設計	審核	批准		類別	LABEL		初版日期
Lipp				單位 mm	圖號	N0Y02-0039	04/10/25
			比例 1.5:1	圖名			
ENG ELECTRICS CO., LTD.							

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Att.2



公差表


設計	審核	批准		類別	外形圖	初版日期
L44						
ENG ELECTRICS CO., LTD.				圖名	060211	版本 01