

CUSTOMER: L091

PART NUMBER:534-000648



**APPROVAL
SHEET**

FOR

SWITCHING ADAPTER

MODEL NO.

DSA-12CA-12 120100 J

ORDER NO: SP-240789-S2

承認書確認后請簽回一份

CUSTOMER APPROVED SIGNATURE

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CONTENT OF APPROVAL SHEET

0. REVISION CONTROL LIST	3
1. SPECIFICATION	4-7
0. REVISION CHANGE DESCRIPTION	4
1. GENERAL DESCRIPTION	4
2. INPUT REQUIREMENT	4
3. OUTPUT REQUIREMENT	5
4. MECHANICAL REQUIREMENT	5
5. ENVIRONMENTAL REQUIREMENT.....	6
6. SAFETY REQUIREMENT	6
7. RELIABILITY	7
2. RATING LABEL DRAWING	8-9
3. DC OUTPUT CORD DRAWING	10
4. PRODUCT OUTLINE DRAWING	11
5. PACKING DRAWING.....	12
6. SAFETY LICENSE.....	13-14

APPROVAL BY	SAFETY	DIRECTOR	ENGINEER	PREPARED
	黃秀蘭 2015/01/20	龔麗君 2015/01/20	鐘小洲 2015/01/20	宋文霞 2015/01/20

0. REVISION CONTROL LIST

-- 1 / 1

DATE	REVISION CONTROL ITEMS						
	CONTENT OF APPROVAL SHEET	SPECIFICATION	RATING LABEL DRAWING	DC OUTPUT CORD DRAWING	PRODUCT OUTLINE DRAWING	PACKING DRAWING	SAFETY LICENSE
2013.09.17	A	A	A	A	A	A	A
2014.09.19	B	A	A	A	A	B	A
2015.01.20	C	A	B	A	A	B	A

REVISION CHANGE DESCRIPTION

ITME	REV	DESCRIPTION
	B	UPDATE PACKING DRAWING
	C	UPDATE LABEL

1. SPECIFICATION

-- 1 / 4

0. REVISION CHANGE DESCRIPTION

Revision	Description	Date
A	Initial release	2013.09.17

1.GENERAL DESCRIPTION

This specification defines the input, output, performance characteristics, environment, noise and safety requirements for a 12 watts switching type power adapter.

The adapter input/output are full range AC input and +12V DC with 12 watts maximum output.

2.INPUT REQUIREMENT

2-1 AC INPUT VOLTAGE

MINIMUM	NOMINAL	MAXIMUM
90VAC	100-240 VAC	264 VAC

2-2 AC INPUT FREQUENCY

MINIMUM	NOMINAL	MAXIMUM
47 Hz	50 / 60 Hz	63 Hz

2-3 AC INPUT CURRENT

NOMINAL AC INPUT VOLTAGE	0.3 A maximum
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2-4 AC INRUSH CURRENT

AT FULL LOAD, 25 DEGREE C, COLD START

NOMINAL AC INPUT VOLTAGE	No damage shall be occurred and the input fuse shall not be blown up.
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2-5 CONFIGURATION

Wall-mount type, FULL-pin, Conductors, < Live, Neutral >

2-6 POWER CONSUMPTION

115VAC/230VAC INPUT , power consumption less than 0.3W

1.SPECIFICATION

-- 2 / 4

3.OUTPUT REQUIREMENT

3-1	DC OUTPUT VOLTAGE	+12 V
3-2	MINIMUM LOAD CURRENT	0 A
3-3	NOMINAL LOAD CURRENT	1A
3-4	NOMINAL OUTPUT POWER	12W
3-5	OUTPUT REGULATION	+/-5 %
3-6	LINE REGULATION	+/-2 %
3-7	RIPPLE AND NOISE	300mVp-p maximum At 20 MHz, and output parallel with 0.1uF & 10uF capacitors to ground Temperature at 25°C, and nominal input voltage
3-8	AVERAGE EFFICIENCY	77.76% minimum At 115VAC/230VAC input voltage and meet cec efficiency level: V ERP: 2009/125/EC
3-9	RISE TIME	100mS maximum at nominal input voltage
3-10	TURN-ON DELAY	3 Seconds maximum at nominal input voltage
3-11	PROTECTION	
	SHORT-CIRCUIT PROTECTION	Short circuit protection is to be included in the construction of the adaptor. The adaptor is designed to withstand continuous current of a short circuit on the output. The adaptor will be short circuit tolerant for an indefinite period.
	OVER-CURRENT PROTECTION	2A maximum with auto-recovery function
	OVER-VOLTAGE PROTECTION	18VDC maximum
3-12	REMARK	Unless otherwise specification output load Must set at CC mode.

4. MECHANICAL REQUIREMENT

4-1 DIMENSION

74.1 (L) * 46 (W) * 36(H) mm

4-2 WEIGHT

150 g maximum

4-3 INPUT PLUG TYPE

Wall-mount type, FULL-pin Conductors, < Live, Neutral >

4-4 OUTPUT CORD

WIRE: 20WG/1C 1185 3048mm

PLUG: JACK PLUG 4.0*1.7*12mm

1.SPECIFICATION

-- 3 / 4

5. ENVIRONMENTAL REQUIREMENT

5-1 COOLING

Cooling shall be with natural convection cooling

5-2 OPERATING TEMPERATURE

0 °C TO 40 °C

5-3 STORAGE TEMPERATURE

-20 °C TO +60 °C

5-4 OPERATING HUMIDITY

20 ~ 85 % RH. NON-CONDENSING

5-5 STORAGE HUMIDITY

5 ~ 95 % RH. NON-CONDENSING

5-6 VIBRATION TEST REQUIREMENT

(Non-operating, with packing) Reference to IEC 68-2-6

Test conditions		Acceptance criteria
1.Frequency	5 ~ 500 Hz	Normal functional test should be satisfied after the test
2.Sweep	2houre. For each axis (X, Y, Z)	
3.Acceleration	0.6G (5~50 Hz, peak - peak), 1.5G (50~500 Hz, peak - peak)	
4.Displacement	0.4 mm (5~50 Hz)	

6. SAFETY REQUIREMENT

6-1 DIELECTRIC WITHSTANDING VOLTAGE TEST (HI-POT TEST)

Primary To Secondary: 3000VAC 10mA 1minute or 4242VDC 10mA 1minute

6-2 LEAKAGE CURRENT

0.25mA maximum, at nominal AC input voltage and frequency

6-3 SAFETY STANDARD

Designed to meet PSE(J60950)

6-4 EMI STANDARD

Designed to meet PSE(J55022)

1.SPECIFICATION

-- 4 / 4

7. RELIABILITY

7-1 MEAN TIME BETWEEN FAILURE (MTBF)

The power supply shall be designed and Prediction to have a mean time between failures (MTBF) of 50000 operating hours minimum and conditions: @115VAC/230VAC, full load, 0°C ~40°C, MTBF calculation meet Telcordia Technologies Special Report SR-332 (Issue 2).

2. RATING LABEL DRAWING

-- 1 / 2

FROM NO.:1		COMPUTER NO.:		
REV	ZONE	DESCRIPTION	DATE	BY
A			13/09/17	HY





Switching Adapter

MODEL: DSA-12CA-12 120100

P/N: 534-000648

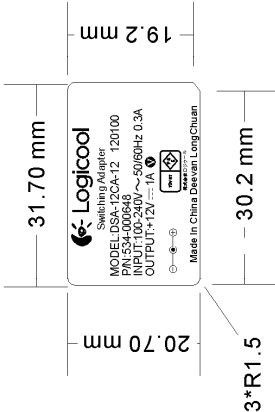
INPUT: 100-240V ~ 50/60Hz 0.3A

OUTPUT: +12V --- 1A



Made In China Deevan LongChuan

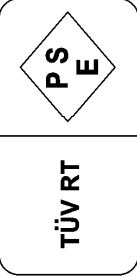
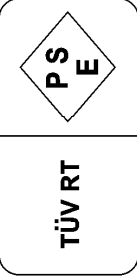
3:1



1:1

NOTE:

- 處理: 鐳射刻印
- 待業務確認安規等各項再行制作生產
- CE LOGO 高度最小需達 5mm
- 禁止使用 DVE 所禁用之危害物質



株式會社ロジクール

DEPART MENT	UNIT	CASE	PART NO.	SALE	DIMENSIONAL TOLERANCE
R&D SPS	mm				+0-0.2mm
APPD. BY	CHD. BY	DWG. BY	DRAWING NO.	SAFETY	備注
		HY			

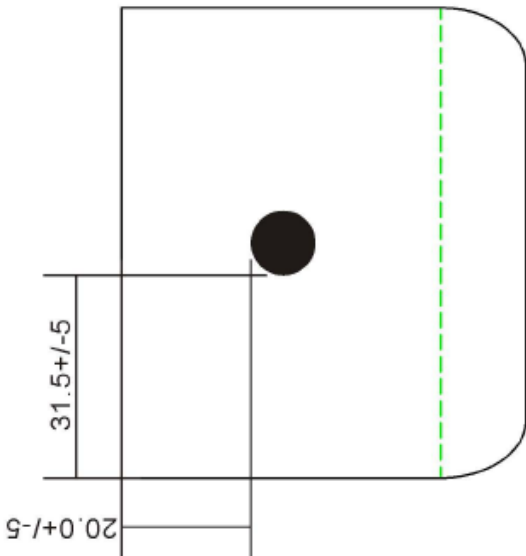
MODEL NO.: DSA-12CA	PAGE 1 OF 1
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FM-336(V0)

2. RATING LABEL DRAWING

-- 2 / 2

FROM NO.:1		COMPUTER NO.:	
REV	ZONE	DESCRIPTION	DATE
A			15/01/19
			SUHD



20.0+/-5

31.5+/-5



直徑10



1:1



3:1



1:1

貼於白盒上蓋正中央

工單號碼: ADS3-000011163 客戶: L091A

DEPARTMENT	UNIT	CASE	PART NO.	SALE	DIMENSIONAL TOLERANCE
R&D SPS	mm		89VL09100-00H		+0-0.2mm
APPD. BY	CHD. BY	DWG. BY	DRAWING NO.	SAFETY	備注
		SUHD	FO-S2015		

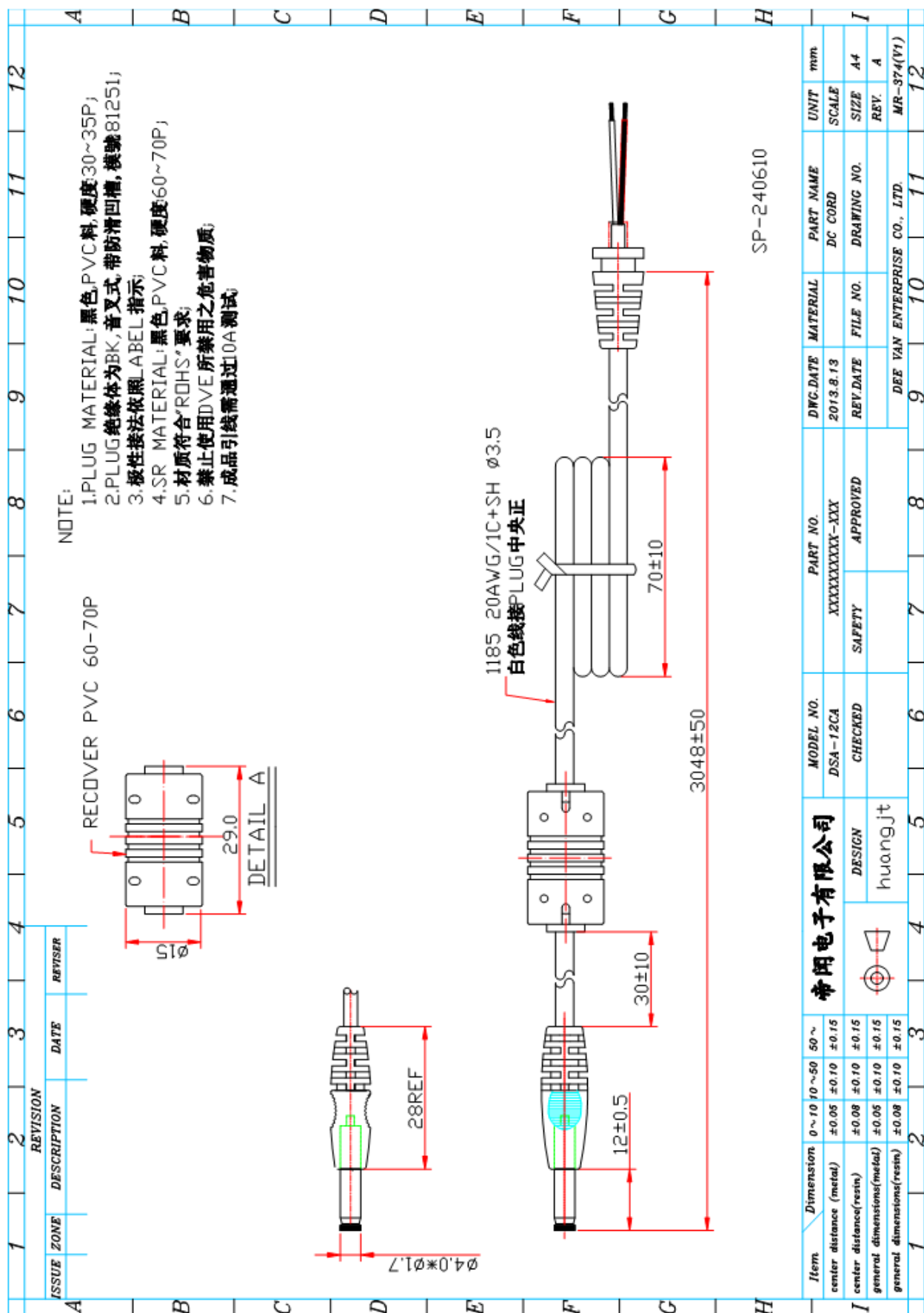
MODEL NO.: DSA-12CA-12 PAGE 1 OF 1

MR-381 (V0)

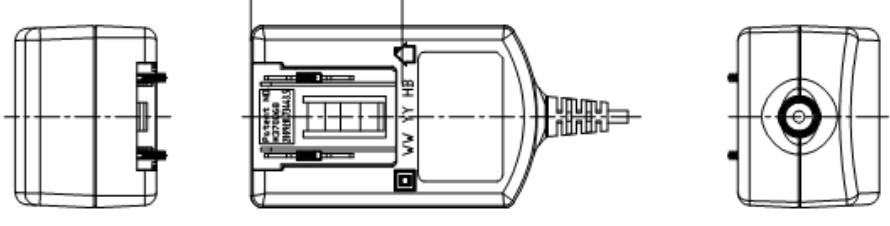
NOTE:

- 顏色:白底黑字
- 銅板紙加亮面(UL, CSA APPROVAL)
- 環保材料
- 處理:永久背膠
- 須由UL, CAS合格廠商承制
- 儲存溫度:-20°C及+90°C之範圍
- 禁止使用DVE所禁用之危害物質
- LABEL厚度為0.12+/-0.02mm

-- 1 / 1



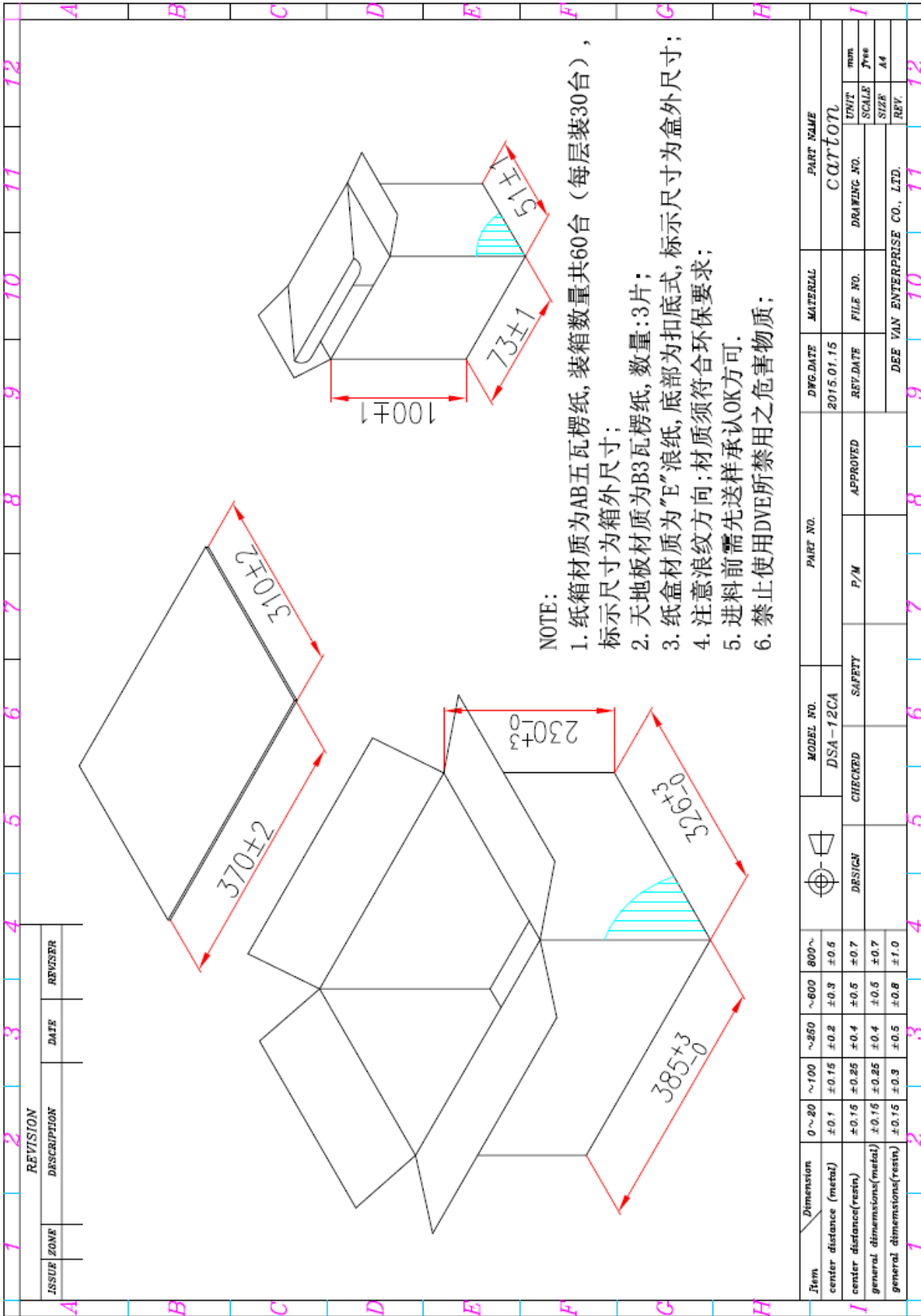
-- 1 / 1



鐫雕刻印:
Date Code:WW YY HB
WW:Week
YY:Year
HB:For ROHS Products

Item	Dimension				MODEL NO.	PART NO.		MATERIAL	PART NAME	UNIT
	center distance (metal)	0 ~ 10	10 ~ 50	50 ~		SAFETY	APPROVED			
center distance (metal)		±0.05	±0.10	±0.15	DSA-12CA				外圈	mm
center distance (rests)		±0.08	±0.10	±0.15						
general dimensions (metal)		±0.05	±0.10	±0.15					DRAWING NO.	A4
general dimensions (rests)		±0.08	±0.10	±0.15					REV.	A
								DEE VAN ENTERPRISE CO., LTD.		
								MR-374(V1)		

-- 1 / 1



6.SAFETY LICENSE(PSE)

-- 1 / 2

適合証明書 Certificate of Conformity		 TÜVRheinland
証明書番号 Certificate No.	ページ Page	
JD 50185443	1	
申請者照会番号 Applicant Reference	検査機関照会番号 Our Reference	発行年月日 Date of Issue
NIT-113134004	ZTW1-FS-11021247 001	2010 年 07 月 22 日
申請者 Applicant	製造工場 Factory	
Dee Van Electronics (Longchuan) Co., Ltd.	Dee Van Electronics (Longchuan) Co., Ltd.	
Meichun Industrial District, Longchuan Country, Heyuan, Guangdong 517300, P. R. China	Meichun Industrial District, Longchuan Country, Heyuan, Guangdong 517300, P. R. China	
TÜV RT PSE 検査の方法 Inspection Method - 技術基準 省令第 2 項 : J60950(H19), J55022(H20) Technical Requirements Clause 2: J60950 (H19): 2007, J55022 (H20): 2008 - 施行規則別表第四 (交流用電気機械器具) Appendix 4 of the Enforcement Regulations (AC Electric Appliances)		
特定電気用品名 Name of Specified Electrical Appliance and Material	: 直流電源装置 DC Power Supply Unit	
型式の区分 Type Classification	: (「添付 1.0」参照) (Refer to "Attachment 1.0")	
海外製造事業者 Overseas Manufacturer	: Dee Van Electronics (Longchuan) Co., Ltd. Meichun Industrial District, Longchuan Country, Heyuan, Guangdong 517300, P. R. China	
客先名 Client	: Dee Van Enterprise Co., Ltd. No. 5 Pao-Kao Road, Hsin-Tien, Taipei 231 Taiwan	
証明書の有効期間 Validity of Certificate	: 本証明書は、施行令で規定された期間である 2015 年 07 月 21 日まで有効です。 This certificate is effective until 21 July, 2015, being the period stipulated by the Enforcement Ordinance.	
これは、上記申請者より申請のあった上記特定電気用品及び製造工場が、電気用品安全法第八条第一項に規定する技術基準及び同法第九条第二項の経済産業省令で定める基準に適合していることを証明するものです。 This is to certify that the above-mentioned Specified Electrical Appliances and Materials and the factory which the above-mentioned applicant applied for have been complied with the Technical Requirements stipulated by Article 8, Paragraph 1 of the Electrical Appliance and Material Safety Law and the requirements stipulated by the METI Ordinance specified in Article 9, Paragraph 2 of the said law.		
テュフ ラインランド 台湾リミテッド TÜV Rheinland Taiwan Ltd. 7 階、2、ミンチュアンイーストロード、セクション 3、台北 104、台湾 7F, No. 2, Min-Chuan E. Road, Sec. 3, Taipei 104, Taiwan, R.O.C.	発行者 Issued by 氏名 Name Dipl.-Ing. F. Stoezel フリードリット シュトエル	
		

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6.SAFETY LICENSE(PSE)

-- 2 / 2

添付 Attachment : 1.0

発行日 Date of Issue : 2010 年 07 月 22 日

【型式の区分 Type Classification】

型式区分管理 No: (Type Classification Control No.) : CL-03

証明書番号 (Certificate No.) : JD 50185443

特定電気用品名

直流電源装置

(Name of Specified Electrical Appliance and Material)

DC Power Supply Unit

申請者 (Applicant)

Dee Van Electronics (Longchuan) Co., Ltd.

海外製造事業者

Dee Van Electronics (Longchuan) Co., Ltd.

(Overseas Manufacturer/factory)

客先名 (client)

Dee Van Enterprise Co., Ltd.



要素 Factor	区分 Classification
定格入力電圧 (Rated input voltage)	125V 以下のもの 及び 125V を超えるもの (125V or less, and exceeding 125V)
入力側の定格容量 (Rated capacity on input side)	20VA を超え 30VA 以下のもの (Exceeding 20VA, and less than or equal to 30VA)
定格周波数 (変圧器を有するものの場合に限る。) (Rated frequency (limited to those with transformer))	50Hz のもの 及び 60Hz のもの (50Hz, and 60Hz)
交流用端子 (AC terminal)	ないもの (Without AC terminal)
直流定格電圧 (Rated DC voltage)	15V 以下のもの (15V or less)
変圧器 (Transformer)	あるもの (With transformer)
変圧器の巻線の絶縁の種類 (Transformer winding insulation class)	B 種のもの (Class B)
直流電圧の調整装置 (DC voltage adjusting mechanism)	ないもの (Without adjusting mechanism)
回路の保護機構 (Circuit protection device)	あるもの (With circuit protection device)
器体スイッチ (Body switch)	ないもの (Without body switch)
外郭の材料 (Outer case material)	合成樹脂のもの (Plastic)
用途 (Application)	電池充電用のもの 及び その他のもの (For battery charging, and Others)
電源電線と器体との接続の方式 (Method of attaching power supply cord)	接続器利用のもの (Coupling device)
二重絶縁 (Double insulation)	施してあるもの (With double insulation)

デュフ ラインランド 台湾リミテッド
 TÜV Rheinland Taiwan Ltd.

7 階、2、ミンチュアンイーストロード、セクション3、台北104、台湾
 7F, No. 2, Min-Chuan E. Road, Sec. 3, Taipei 104, Taiwan, R.O.C.

発行者 Issued by

氏名 Name

Dipl.-Ing. F. Stoelzel

フリードリット シュテールツェル

