

STONTRONICS

THE POWER TO SUPPLY

part of Stadium Group Plc.

SWITCHING ADAPTER

MODEL NO.

DSA-13PFC-05 FUK 050250

ORDER NO: SP-246966

承認書確認后請簽回一份

CUSTOMER APPROVED SIGNATURE			

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
3. DC OUTPUT CORD DRAWING	9
4. PRODUCT OUTLINE DRAWING	10
5. PACKING DRAWING.....	11
6. SAFETY CERTIFICATE.....	12-18

APPROVAL BY	SAFETY	DIRECTOR	ENGINEER	PREPARED
聶建華 2016/04/07	姚金萍 2016/04/07	/	張有紅/胡東明 2016/04/07	鄭金燕 2016/04/06

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
2016.04.06	A	A	A	A	A	A	A

REVISION CHANGE DESCRIPTION

ITME	REV	DESCRIPTION

1. SPECIFICATION

-- 1 / 4

0. REVISION CHANGE DESCRIPTION

Revision	Description	Date
A	Initial release	2016.04.06

1.GENERAL DESCRIPTION

This specification defines the input, output, performance characteristics, environment, noise and safety requirements for a 12.5 watts switching type power adapter.

The adapter input/output are full range AC input and +5V DC with 12.5 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	0.5 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, UK-pin, 3 Conductors, < Live, Neutral >

2-6 POWER CONSUMPTION

230VAC INPUT , power consumption less than 0.075W

1.SPECIFICATION

-- 2 / 4

3.OUTPUT REQUIREMENT

3-1	DC OUTPUT VOLTAGE	+5 V
3-2	MINIMUM LOAD CURRENT	0 A
3-3	NOMINAL LOAD CURRENT	2.5A
3-4	NOMINAL OUTPUT POWER	12.5 W
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	80.59% minimum At 115VAC/230VAC input voltage and meet efficiency level: VI 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	
	OVER-CURRENT PROTECTION	5 A maximum with auto-recovery function
	OVER-VOLTAGE PROTECTION	10VDC maximum
	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.
3-12	REMARK	Unless otherwise specification output load Must set at CR mode.

4. MECHANICAL REQUIREMENT

4-1 DIMENSION

70 (L) * 50 (W) * 77.4 (H) mm maximum

4-2 WEIGHT

120 g ±30

4-3 INPUT PLUG TYPE

Wall-mount type, UK-pin, 3 Conductors, < Live, Neutral >

4-4 OUTPUT CORD

WIRE: 18AWG/2C 2468,1500mm

PLUG: JACK PLUG 5.5*2.1*12mm

4-5 COLOR

Case:Black, DC-cord: Black

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 publ. 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 T-LICENSE(BS EN60950-1)

6-4 EMI STANDARD

Designed to meet CE(EN55022)

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 / 1

FROM NO.:1

COMPUTER NO.:

REV	ZONE	DESCRIPTION	DATE	BY
A			16/04/11	SUHD

STONTRONICS Switching Adapter

MODEL: DSA-13PFC-05 FUK 050250

P/N: T6164ST

INPUT: 100-240V ~ 50/60Hz 0.5A

OUTPUT: +5V --- 2.5A

EFFICIENCY LEVEL:

EN 60950-1

BS EN 60950-1

10 000700000

www.tuv.com

EN 60950-1

BS EN 60950-1

www.tuv.com

ID 0007000000

Made In China

33.3mm

13.8mm

35.8mm

16.3mm

1:1

NOTE:
1.顏色:銀底黑字
2.材質:消銀龍加亮面(UL, CSA APPROVAL)
環保材料
3.處理:永久背膠
4.須由UL, CAS合格廠商承制
5.儲存溫度: -20°C及+90°C之範圍
6.回形 LOGO高度最小需達到5mm
7.禁止使用DVE所禁用之危害物質
8. LABEL厚度為0.25+/-0.02mm

工單號碼: ADS2-000013726 客戶: S068

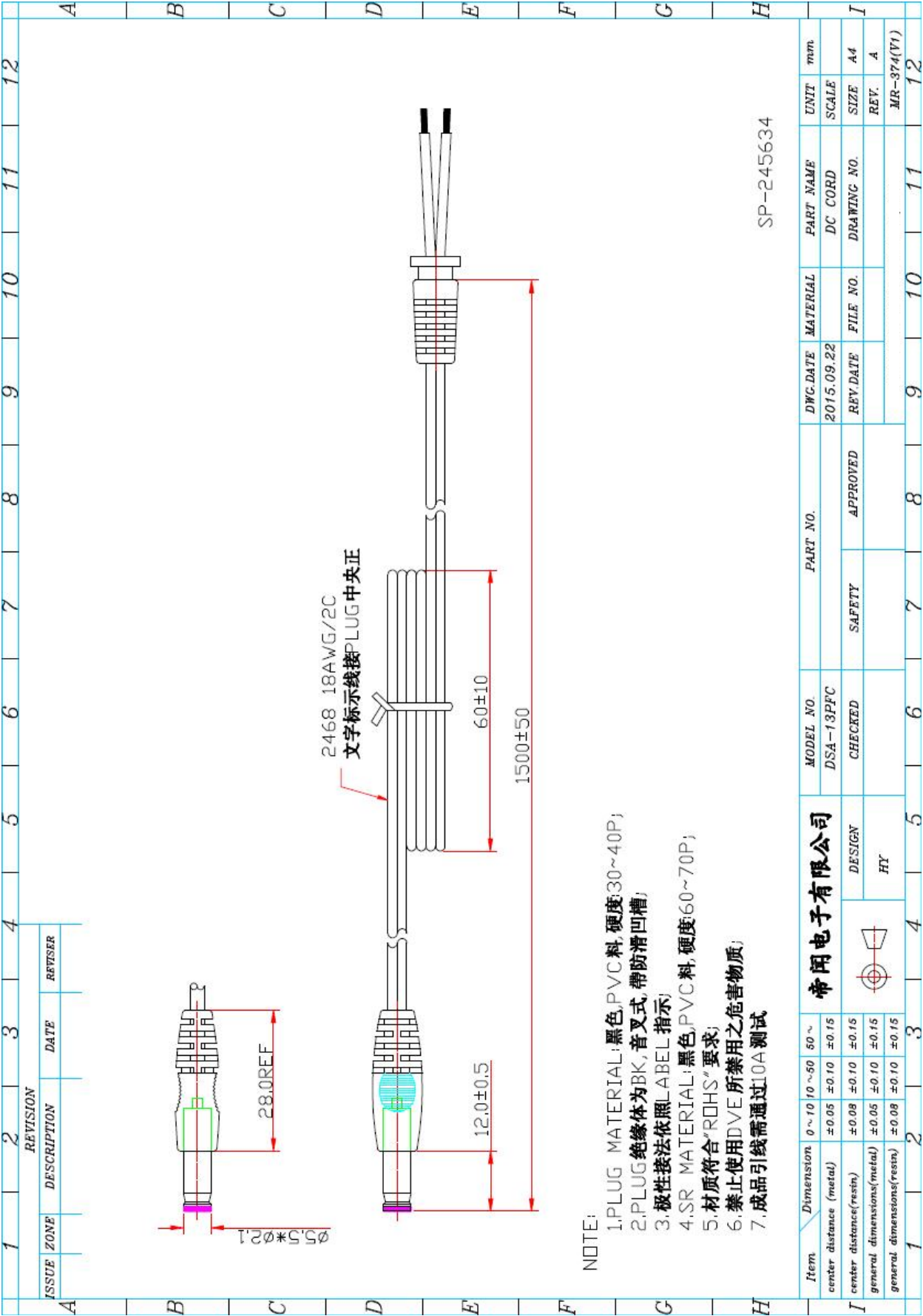
DEPARTMENT	UNIT	CASE	PART NO.	SALE	DIMENSIONAL TOLERANCE
R&D SPS	mm		89P13FC05-04H		+0-0.2mm
APPD. BY	CHD. BY	DWG. BY	DRAWING NO.	SAFETY	備注
		SUHD	FO-2016		

MODEL NO.:	DSA-13PFC-05	PAGE 1OF1
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MR-381 (V0)

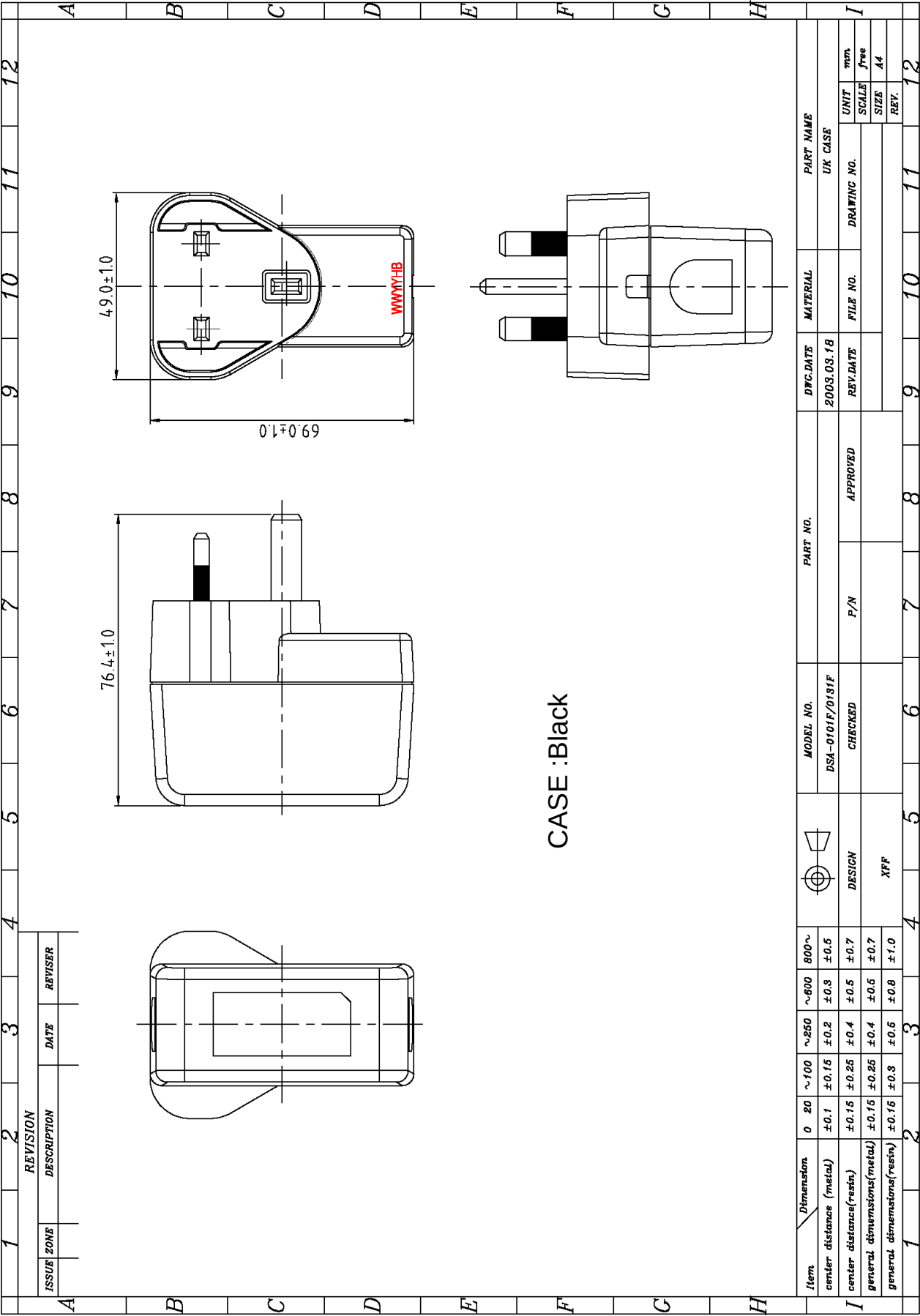
3.DC OUTPUT CORD DRAWING

-- 1 / 1



4. PRODUCT OUTLINE DRAWING

-- 1 / 1



5.PACKING DRAWING

-- 1 / 1

