



2KAPC-PSU-UEU

*9V 1.5A PSU
MULTIHEAD ADAPTER
FOR APC8750*

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0.REVISION CONTROL LIST

DATE	REVISION CONTROL ITEMS						
	CONTENT OF APPROVAL SHEET	SPECIFICA- TION	RATING LABEL DRAWING	DC OUTPUT CORD DRAWING	PRODUCT OUTLINE DRAWING	PACKING DRAWING	SAFETY LICENSE
2012.08.28	A	A	A	A	A	A	A

REVISION CHANGE DESCRIPTION

ITEM	REV	DESCRIPTION

1. SPECIFICATION

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0. REVISION CHANGE DESCRIPTION

Revision	Description	Date
A	Initial release	2012.08.20

1. GENERAL DESCRIPTION

This specification defines the input, output, performance characteristics, environment, noise and safety requirements for a 13.5 watts switching type power adapter.

The adapter input/output are full range AC input and +9 VDC with 13.5 watts maximum output.

2. INPUT REQUIREMENT**2-1 AC INPUT VOLTAGE**

MINIMUM	NOMINAL	MAXIMUM
90 VAC	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	0.8 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.

2-6 POWER CONSUMPTION ON POWER SAVING MODE

LOAD	INPUT CONDITION	INPUT POWER REQUIREMENT
0 A	230 VAC 50 Hz	0.3 W maximum

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3. OUTPUT REQUIREMENT

3-1	DC OUTPUT VOLTAGE	+ 9V
3-2	MINIMUM LOAD CURRENT	0 A
3-3	NOMINAL LOAD CURRENT	1.5 A
3-4	NOMINAL OUTPUT POWER	13.5 W
3-5	TOTAL OUTPUT REGULATION	+/-5%
3-6	LINE REGULATION	+/-2 %
		At nominal input voltage and full load
3-7	RIPPLE AND NOISE	300 mVp-p maximum
		At 20 MHz, and output parallel with 0.1uF & 10uF capacitors to ground
		Temperature at 25°C, At nominal input voltage
3-8	EFFICIENCY	78.49% minimum
		At 115/230VAC input voltage and 1/4,1/2,4/3,full load average efficiency level: V
		ERP :2009/125/EC
3-9	HOLD-UP TIME	5 mS minimum
		At 115/230V AC input AC voltage and full load
3-10	TURN-ON DELAY	3 Seconds maximum
3-11	PROTECTION	
	SHORT-CIRCUIT PROTECTION	The adapter shall not be damaged by short the DC output to Ground.
	OVER-CURRENT PROTECTION	3A with auto-recovery function
	OVER-VOLTAGE PROTECTION	18VDC maximum with zener clamp
3-12	REMARK	Unless otherwise specification output load must set at CC mode

4. MECHANICAL REQUIREMENT**4-1 DIMENSION**

84.9 (L) * 50 (W) * 40 (H) mm maximum

4-2 WEIGHT

200 g maximum

4-3 INPUT PLUG TYPE

Wall-mount type, FULL-pin,

4-4 OUTPUT PLUG TYPE

WIRE: 22AWG/1C 1185, 1500mm

PLUG: JACK PLUG 5.5*2.5*10mm

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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	nominal 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 1 minute

6-2 LEAKAGE CURRENT

0.25mA maximum, at nominal AC input voltage and frequency

6-3 SAFETY STANDARDS

Designed to meet UL/CUL(UL60950-1),TUV-GS(EN60950-1), T-LICENSE(BS EN60950-1)

6-4 EMI STANDARDS

Designed to meet FCC(PART 15 CLASS B),CE(EN55022),

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7. RELIABILITY

7-1 MEAN TIME BETWEEN FAILURE (MTBF)

The power supply shall be designed and produced to have a mean time between failures (MTBF) of 50000 operating hours minimum conditions. 80% maximum load at 25°C, nominal input voltage

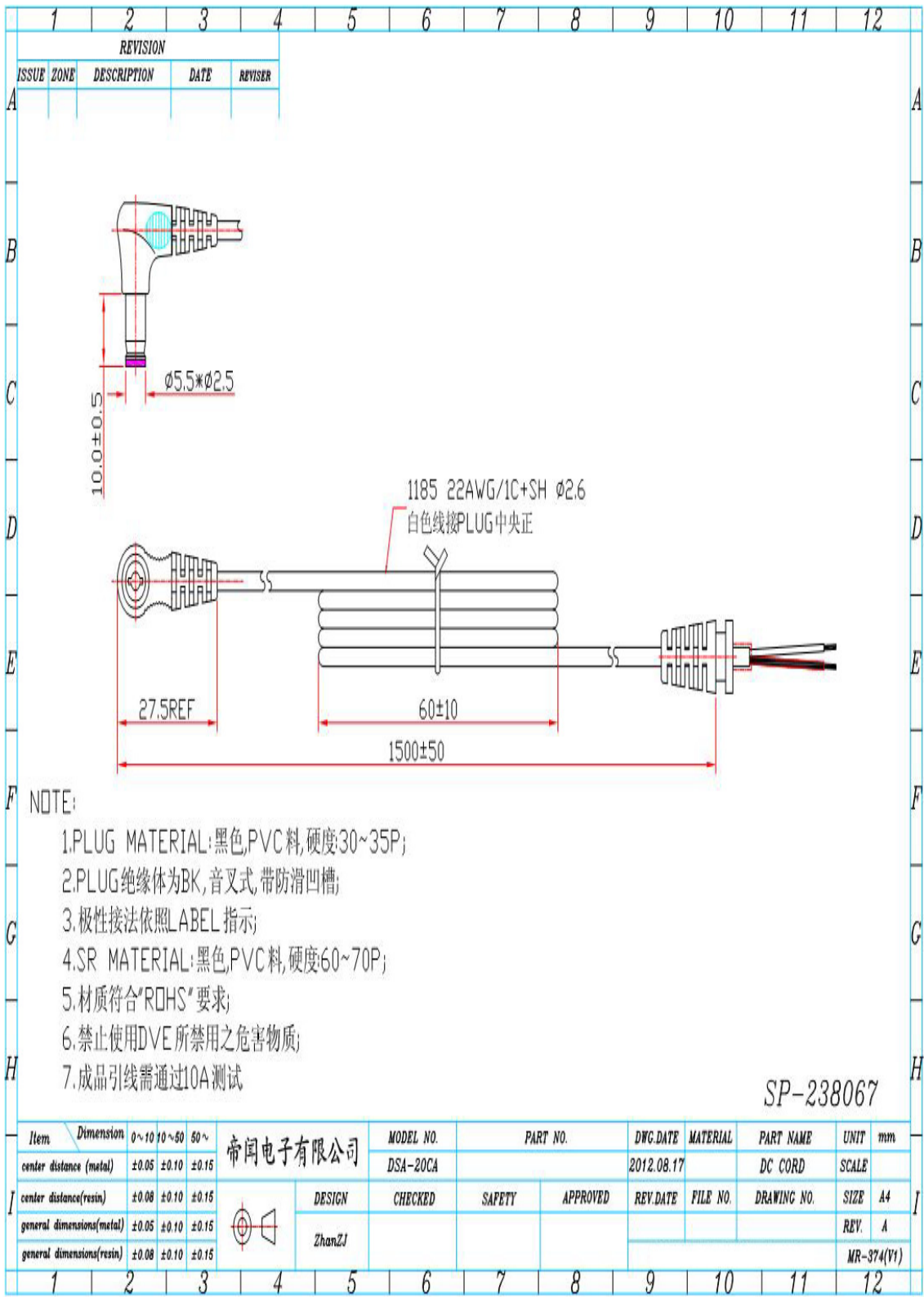
Standard:MIL-HDBK-217F.

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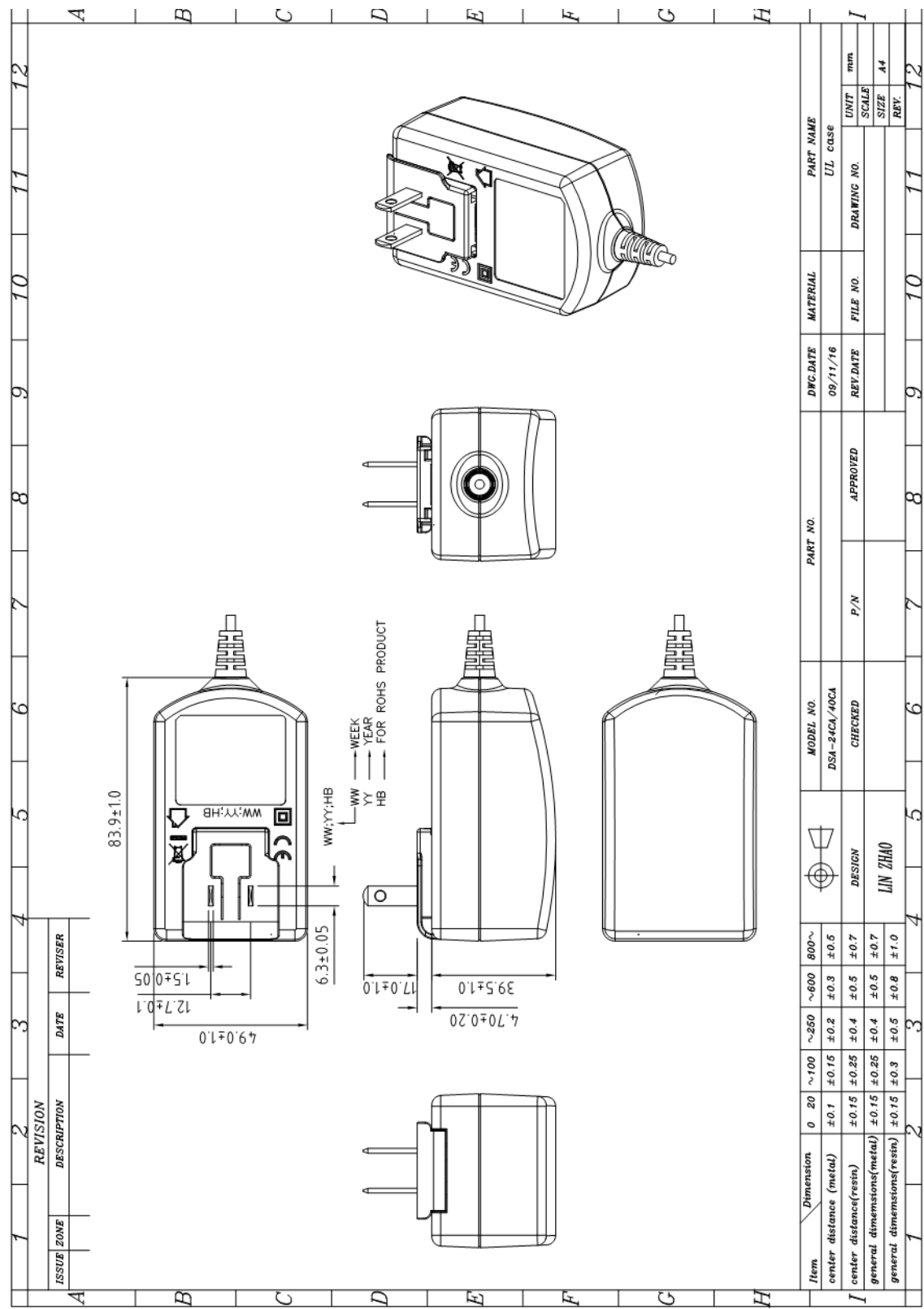
3.DC OUTPUT CORD DRAWING

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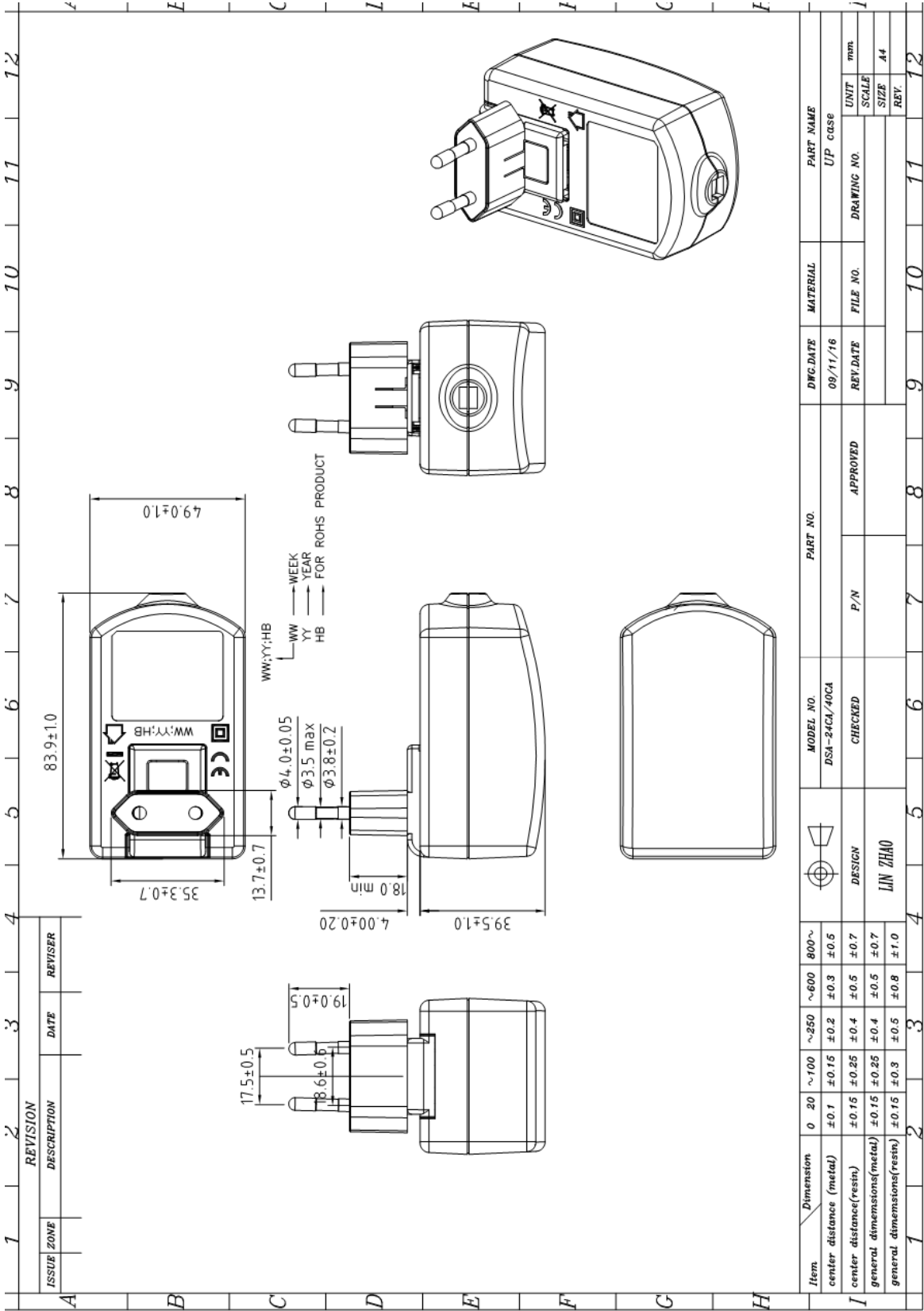
4. PRODUCT OUTLINE DRAWING

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4. PRODUCT OUTLINE DRAWING

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4. PRODUCT OUTLINE DRAWING

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