

SPECIFICATION
FOR
SWITCHING ADAPTER
FOR HDMI-FO-33



1.GENERAL DESCRIPTION

This specification defines the input, output, performance characteristics, environment, noise and safety requirements for a 10 watts switching type power adapter.

The adapter input/output are full range AC input and +5V DC with 10 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 occur and the input fuse will not blow up.
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2-5 CONFIGURATION

Wall-mount type, US-pin, 2 Conductors, < Live, Neutral >

2-6 POWER CONSUMPTION

115VAC INPUT , power consumption less than 0.3W

3.OUTPUT REQUIREMENT

3-1	DC OUTPUT VOLTAGE	+5V
3-2	MINIMUM LOAD CURRENT	0A
3-3	NOMINAL LOAD CURRENT	2A
3-4	NOMINAL OUTPUT POWER	10W
3-5	OUTPUT REGULATION	+/-5%
3-6	RIPPLE AND NOISE	100 mVp-p maximum At 20 MHz, and output parallel with 0.1uF & 10uF capacitors to ground Temperature at 25 'C, and nominal input voltage
3-7	AVERAGE EFFICIENCY	73.37% minimum At nominal input voltage meets efficiency level: V
3-8	RISE TIME	100mS maximum at nominal input voltage
3-9	TURN-ON DELAY	2 Seconds maximum at nominal input voltage
3-10	PROTECTION	
	SHORT-CIRCUIT PROTECTION	Short circuit protection is included in the construction of the adaptor. The adaptor is designed to withstand continuous current of a short circuit on the output. The adaptor is short circuit tolerant for an indefinite period.
3-11	REMARK	Unless otherwise specification output load Must set at CR mode.

4. MECHANICAL REQUIREMENT

4-1 DIMENSION

70 (L) * 29.8 (W) * 58.3 (H) mm maximum

4-2 WEIGHT

140 g maximum

4-3 INPUT PLUG TYPE

Wall-mount type, US-pin, 2 Conductors, < Live, Neutral >

4-4 OUTPUT CORD

WIRE: 20AWG/2C 2468, 1500mm

PLUG: JACK PLUG 5.5*2.5*9.5mm

5. ENVIRONMENTAL REQUIREMENT

5-1 COOLING

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	2hour. 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 UL/CUL(UL60950-1)

6-4 EMI STANDARD

Designed to meet FCC(PART 15 CLASS B)

7. RELIABILITY

7-1 MEAN TIME BETWEEN FAILURE (MTBF)

The power supply is 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.

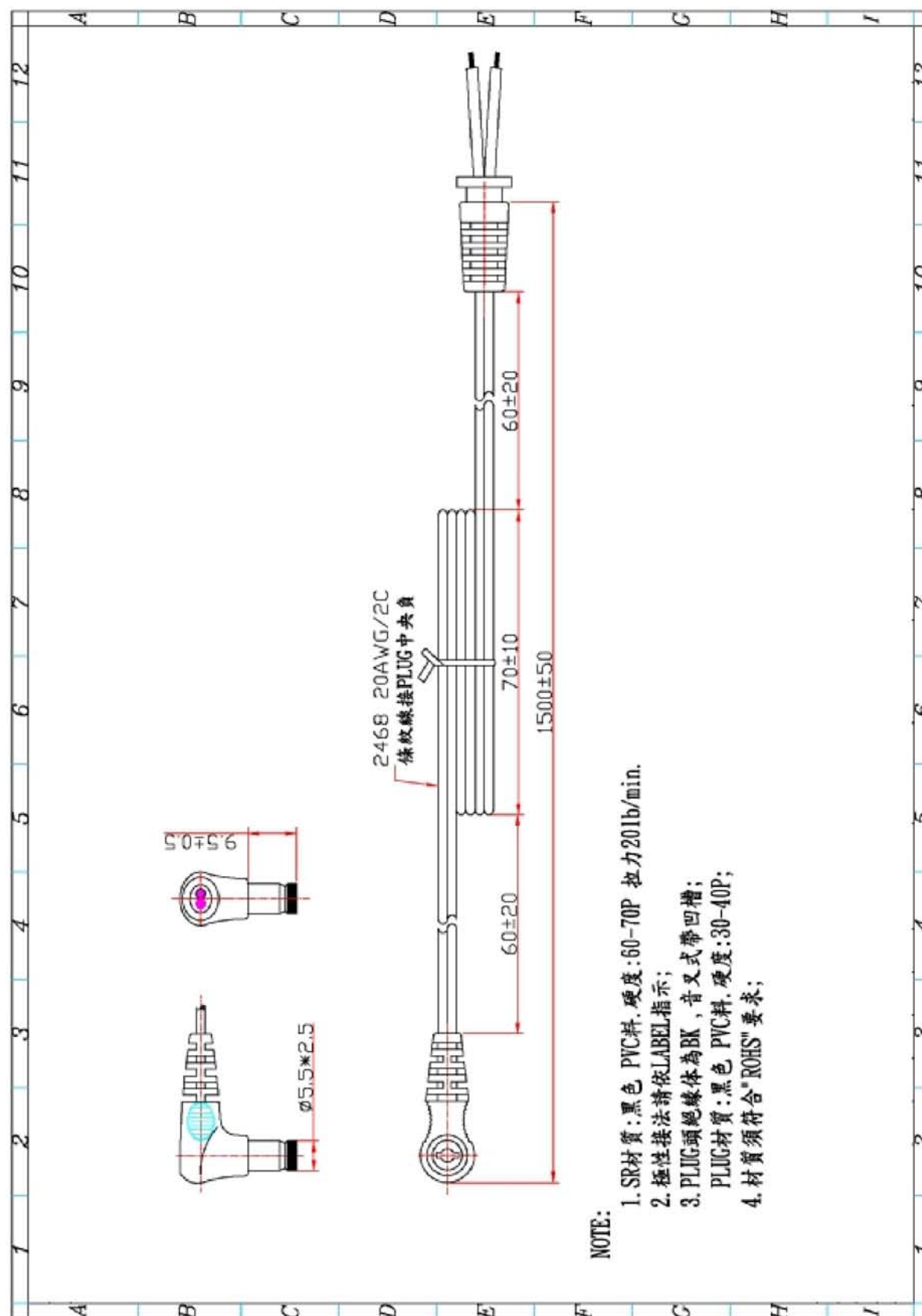
Standard: MIL-HDBK-217F

7-2 E-CAP LIFE TIME

8760 hours minimum 80% full load at 25°C, nominal input voltage.

3. DC OUTPUT CORD DRAWING

- 1 / 1



4. PRODUCT OUTLINE DRAWING

- 1 / 1

