

## INPUT

	MINIMUM	NORMAL	MAXIMUM
AC Input Voltage	90V AC	100 – 240V AC	264V AC
AC Input Frequency	47 Hz	50 / 60 Hz	63 Hz
AC Input Current – 230V AC (max)			0.2A
AC Inrush Current* – 230V AC, 50Hz	No damage shall be incurred and the input fuse shall not blow.		
Primary current protection	An internal fuse on the AC input line is provided.		
Configuration	Wall mount, AU-pin, 2-conductors, <Active, Neutral>		

\* At full-load, 25°C, cold start.

## Power consumption at no load (maximum)

Input 115 AC 60 Hz	1.0W max
Input 230V AC 50 Hz	2.0W max

## OUTPUT

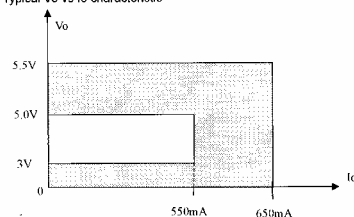
Normal DC Output Voltage	+5.2V
Minimum Load Current	0.0A
Total Load Current	550 – 650mA
Maximum Output Power	4W
Ripple and Noise *	150mV
Over-current Protection	650mA maximum with auto-recovery function.
Over-voltage Protection	8.5V DC maximum with Zener clamp.
Total Output Regulation	5.0 -5.5V (see figure 1)
Line Regulation**	+/- 2%
Short-circuit Protection	The adaptor shall not be damaged by shorting the DC output to Ground.
Hold-up Time (min) **	5mS
Turn-on Delay (max)	2 Seconds
Efficiency**	55% minimum.

\* Voltage measured P-P at 20MHz and output parallel with 0.1uF & 10uF capacitors to ground. Temperature at 25°C and 230V AC input voltage.

\*\* At nominal AC voltage and full load.

Unless otherwise specified, output load must be set to CV mode

Figure 1. Typical Vo vs Io characteristic



## MECHANICAL

Dimensions	55.0(L) x 43.0(W) x 49.0(H)mm.
Weight	70g maximum.
Input Plug Type	Wall type, AU-pin, 2-conductors, <Active, Neutral>
Output Cord	Wire: 24AWG/2C, 1828mm.
Output Plug	24 pin connector.

## ENVIRONMENTAL

Cooling	Natural convection.
Operating Temperature	0°C to +40°C
Storage Temperature	-20°C to +60°C
Operating Humidity	20 ~ 85 % RH. Non-condensing
Storage Humidity	5 ~ 95 % RH. Non-condensing

## VIBRATION TEST

Test Conditions		Acceptance Criteria
Frequency	5 ~ 500 Hz	Must pass nominal functional tests after the vibration testing is completed.
Sweep	2 Hours for each axis (X, Y, Z)	
Acceleration	0.6G (5 ~ 50Hz, peak – peak) 1.5G (50 ~ 500Hz, peak – peak)	
Displacement	0.4mm (5 ~ 50Hz)	

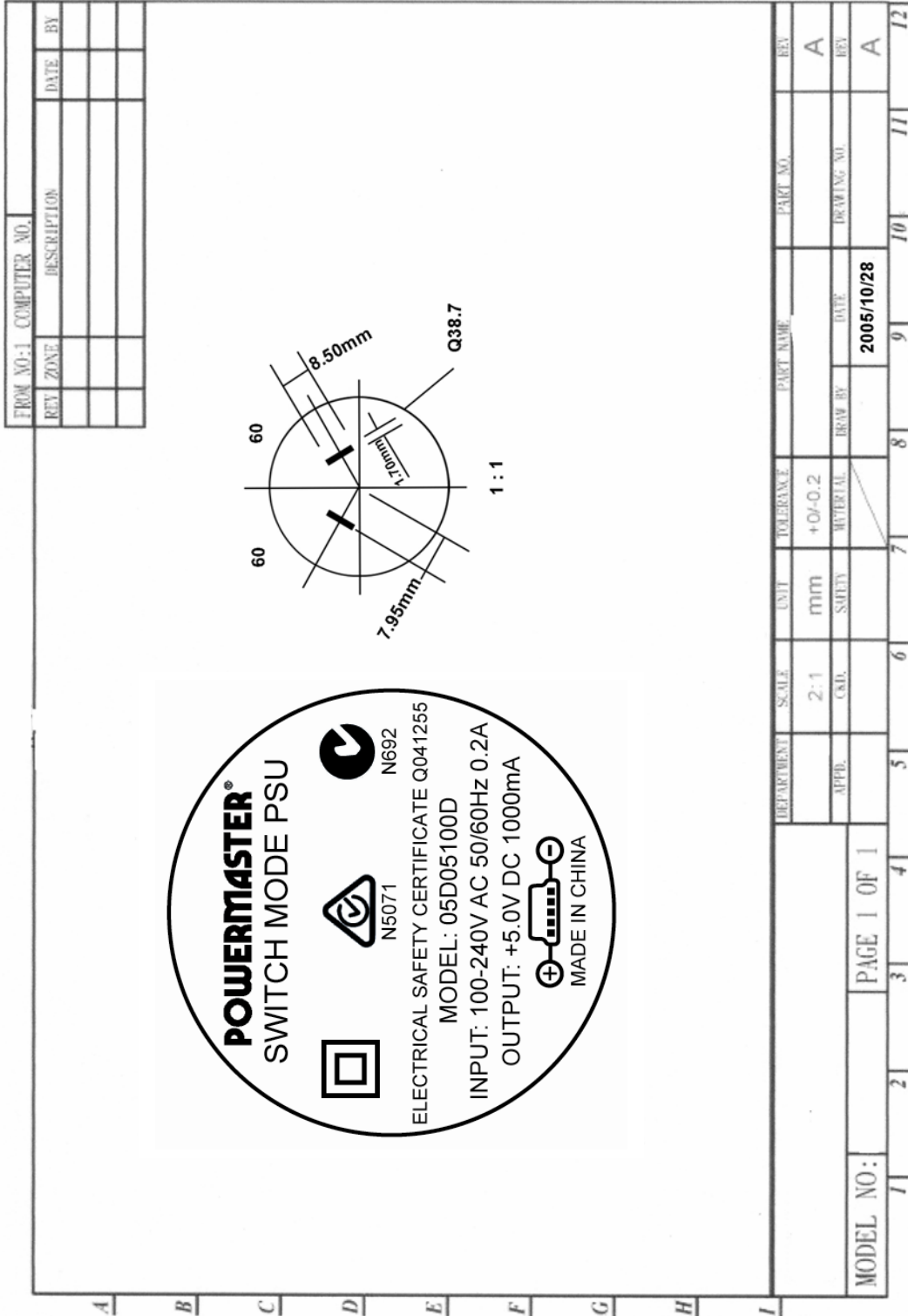
## SAFETY

Dielectric withstanding voltage test (Hi-pot test) input to output	4242V DC 10mA for 1 minute or 3000V AC 10mA for 1 minute.
Leakage Current	0.25mA maximum at normal AC input voltage and frequency

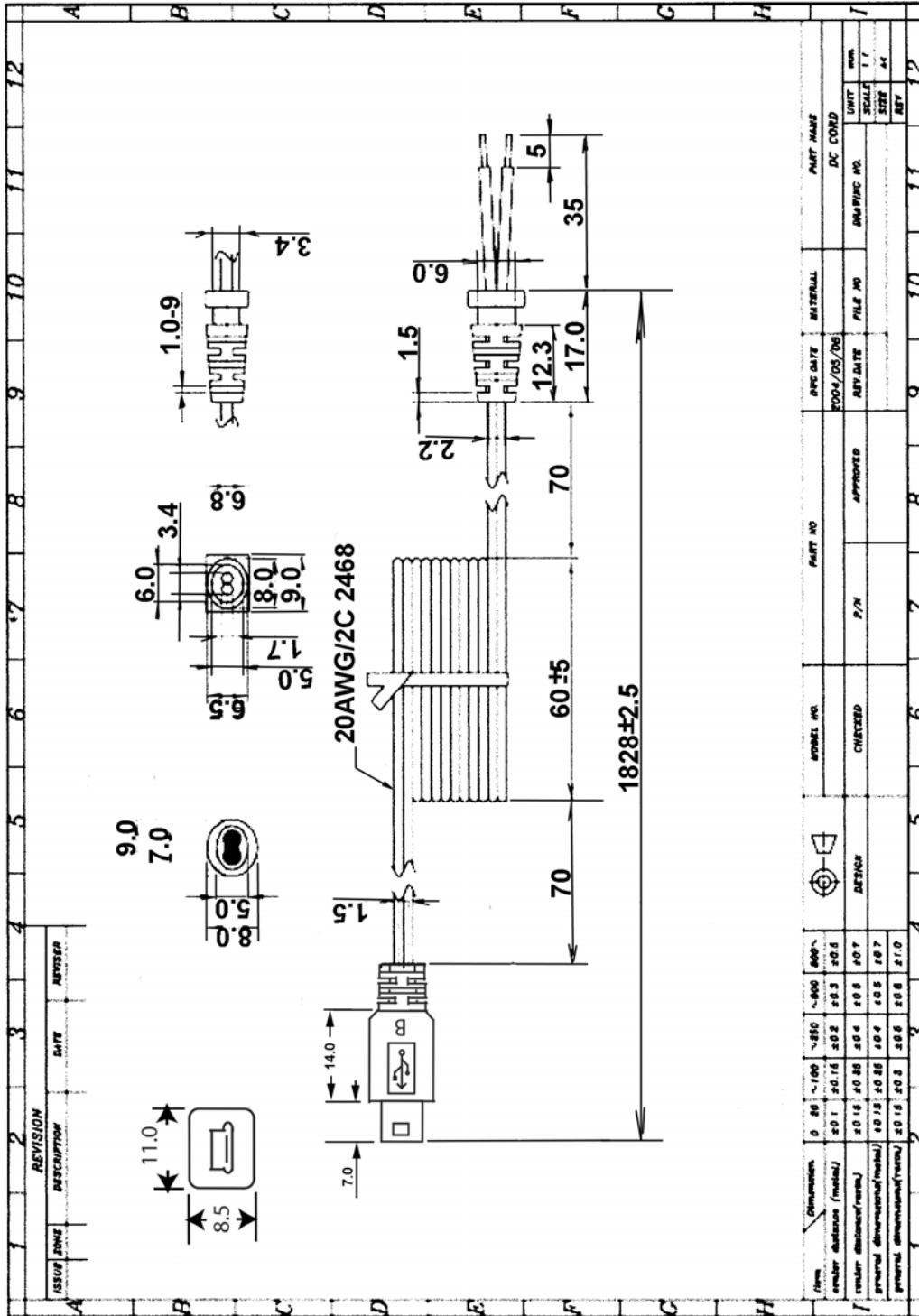
## RELIABILITY

Mean Time Between failure (MTBF)	The power supply is designed to have a MTBF of 50,000 operating hours at 90% confidence-level while operating at 80% maximum load at 25°C and nominal input voltage.
Burn-in Test	4 hours at 40°C maximum, nominal input voltage, 80% of maximum load.

**RATING PLATE**



DC OUTPUT CORD DRAWING



05D SMPSU Mini USB connector 5.2V DC 600mA

PRODUCT OUTLINE DRAWING

