

SPECIFICATION

High Quality Switching Desktop Adapter

**Universal AC Input
10W 5.0VDC 2.0A Output**

P/N: A050020GP8

****Specification Approval****

This specification (total 8 pages including cover page) is approved in it's entirety by:

Company Name

Print Name

Signature

Date



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052211V1.0

1. Input

Rate Input Voltage:	100-240V AC
Tolerated Input Voltage Range:	90-264V AC
Rated Input Frequency:	60/50Hz
Vibration Rate Input Frequency:	65/47Hz
AC Input Rated Current:	0.45A Max. @100VAC
AC Input Max Power (No load):	0.3W Max. @230VAC
Inrush Current:	30A Max. @100VAC cold start 60A Max. @230VAC cold start
Leakage Current:	0.25mA Max.

2. Output

Rated Output Voltage:	5V
Rated Output Current:	2A
Min. Load Current	0A
Output No-load Voltage:	5V±5%
Output Load Voltage:	5V±5%
Output Ripple & Noise:	300mV Max.

3. General

Max Output Power:	10W
Efficiency:	70% Avg. @ full load & input 230VAC. 71% Avg. @ full load & input 110VAC.
Short Circuit Protection:	Protection against short circuit for output. The output can be shorted without damage.
Overshoot / Undershoot:	7.5V±5%
Switching Frequency:	60 KHz Typical

Any protect condition shall cause no damage and no component failure.
Unit shall auto-recover once protect condition is removed.

4. Environmental:

Operating temperature:	0C ~ 40C
Storage temperature:	-25C ~ 85C
Operating relative humidity	8% to 90%
Storage relative humidity:	5% to 95%

5. Applicable Standards:

UL1950
EN60950
EN55022

6. EMI Standard:

FCC Class B, CE, VCCI-II

7. Hi-Pot Test:

Primary to secondary:	4242VDC for 1minute or 4525VDC for 3sec
Primary to case:	4242VDC for 1minute or 4525VDC for 3sec

8. Input to Output:

>10Mohm.@500VDC

9. Reliability:

Burn-in:	2 hrs, 40+/-5C 240VAC ON/OFF cycling full load nominal line
Altitude:	Up to 10,000ft

10. Mechanical

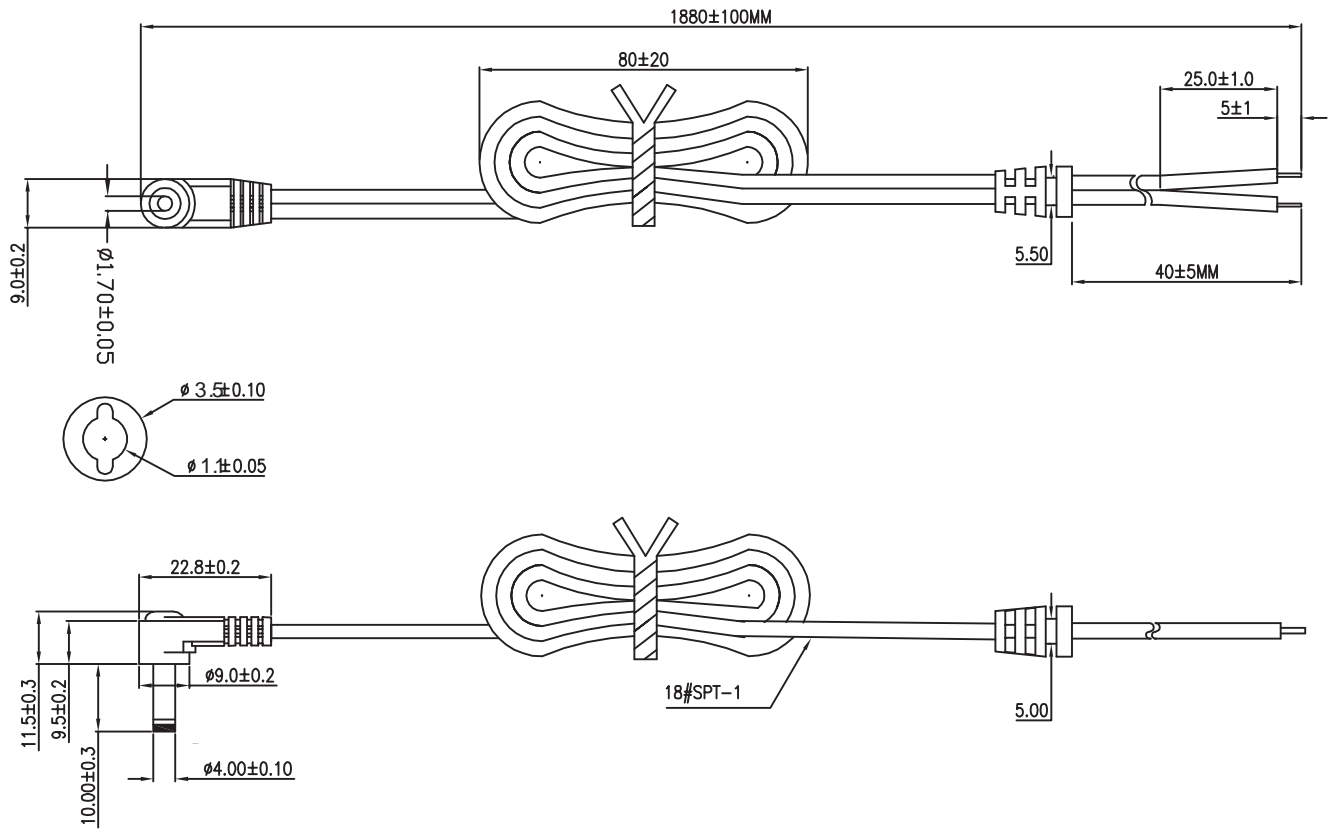
Weight:	120g
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11. Mechanical

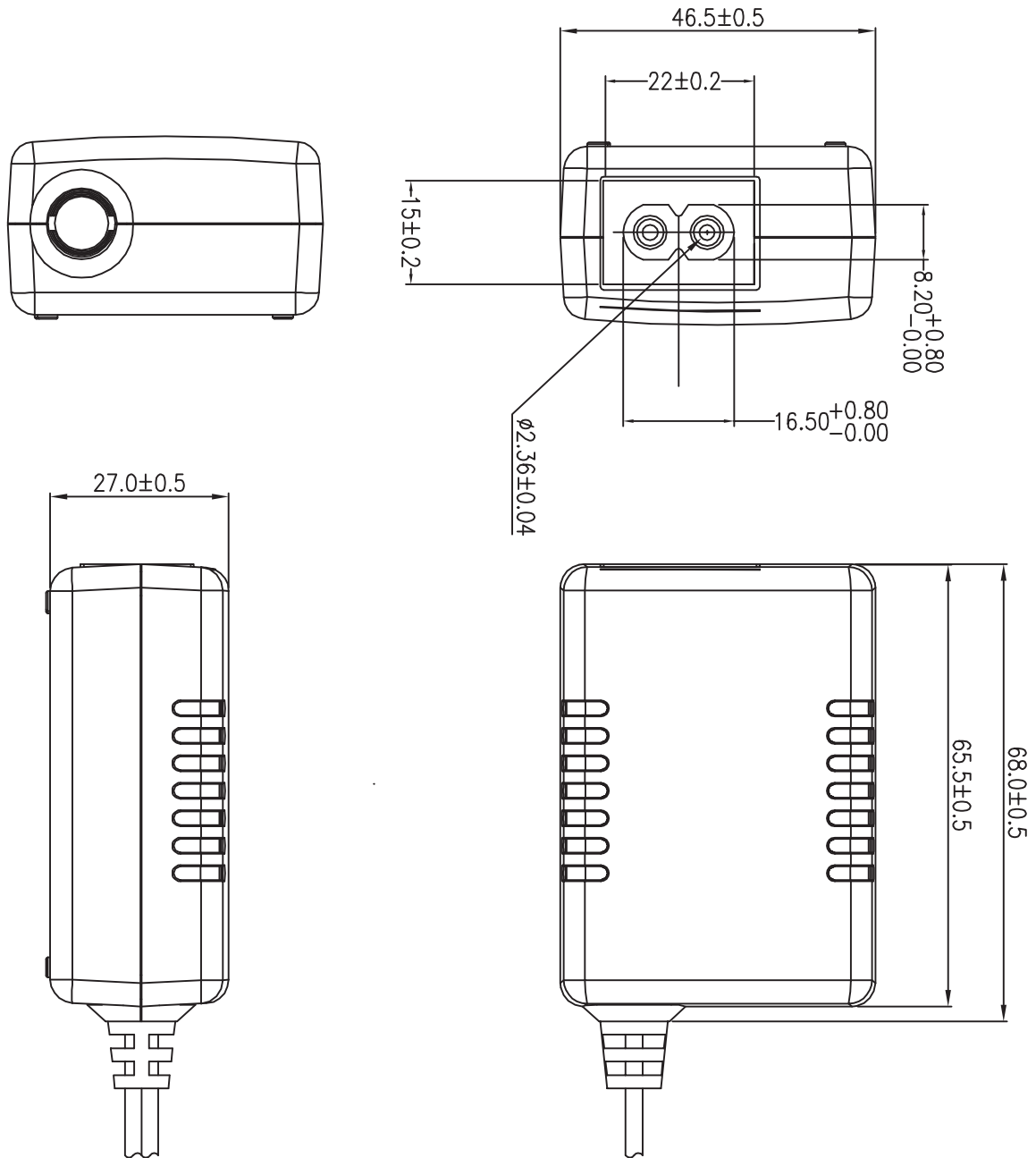
Bending test: Life 1000times 100% guarantee. Swings 120^b Left to right loading weight 200 g, 40 cycle/minute 2400 cycles.

Pull test: DC cord and plug, weight 9kg for 1 minute.

12. Output Cable and Plug



13. Mechanical Drawing



14. Label

