

SPECIFICATION

Universal AC Input 60W 24VDC 2.5A Output Switching Desktop Adapter



P/N: A240025GP8

****Specification Approval****

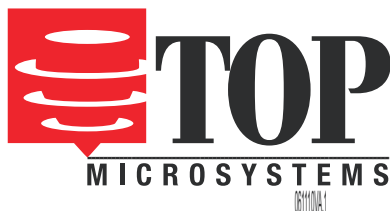
This specification (total 7 pages including cover page) is approved in it's entirety by:

Company Name

Print Name

Signature

Date



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112010V1.0

1.INPUT:

- 1.1 Rate input voltage: 100-240VAC
- 1.2 Vibration input voltage range: 90-264VAC
- 1.3 Rate input frequency: 50/60Hz
- 1.4 Vibration Rate input frequency: 47/63Hz
- 1.5 AC input Rated current: 1.5A Max. @ 100VAC
- 1.6 AC input Max power(No load): 0.3W Max. @ 230VAC
- 1.7 Inrush Current: 30A Max. @ 100VAC cold start
60A Max. @ 230VAC cold start
- 1.8 Leakage current: 0.25mA Max.

2. Output characteristics

- 2.1 Rating output voltage: 24V
- 2.2 Rating output current: 2.5A
- 2.3 Min. load current 0A
- 2.4 Output no-load voltage: 24V±5%
- 2.5 Output load voltage: 24V±5%
- 2.6 Output ripple & noise: 280mV

3. General characteristics

- 3.1 Max output power: 60W
- 3.2 Efficiency: 87% Min. @ full load & input 110V/230V.
- 3.3 Short circuit protection: Protection against short circuit for output.
The output can be shorted without damage.
- 3.4 Overshoot : 24V±5%
- 3.5 Switching Frequency: 60 KHz Typical
- 3.6 Any protect condition shall cause no damage and no component fail.
Automatic recovery when removal of protect condition.

4. Environmental:

- 4.1 Operating temperature: 0°C ~ 40°C
- 4.2 Storage temperature: -25°C ~ 85°C
- 4.3 Operating relative humidity: 8% to 90%
- 4.4 Storage relative humidity: 5% to 95%

5. Application standard :

UL60950-1, UL60054

EN 60950, EN60065

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. Insulation resistance

- Input to output: >10Mohm.@500VDC

9. Reliability:

- 9.1 Burn-in: 2hrs,40°C +/-5°C
ON/OFF cycling full load nominal line
- 9.2 Altitude: Up to 10,000ft (operational)

10. Mechanical

- 10.1 Dimensions: Please see the mechanical dimension drawing.
- 10.2 Weight: 218.9g

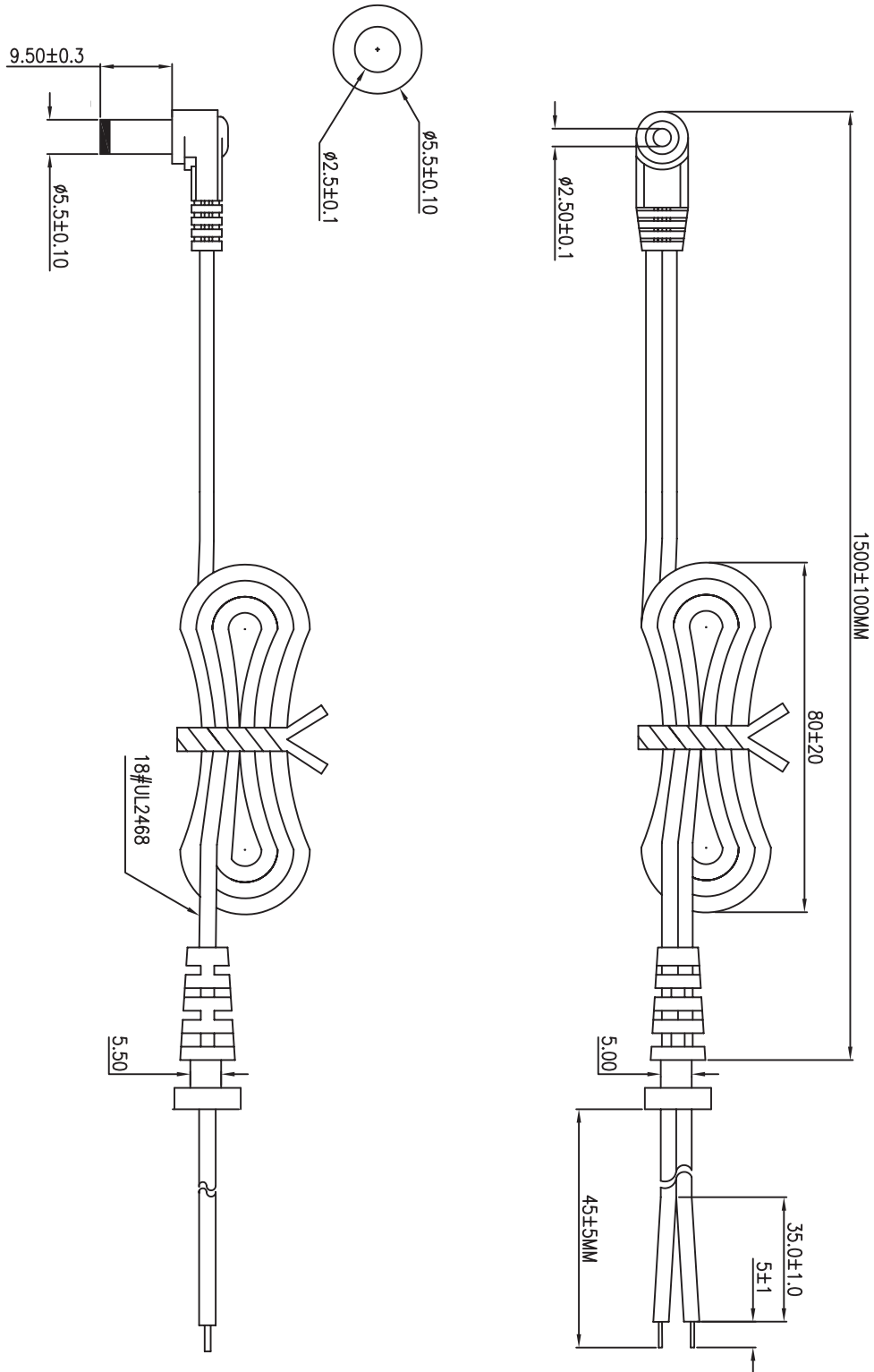
11. Mechanical specification:

11.2 DC cord:

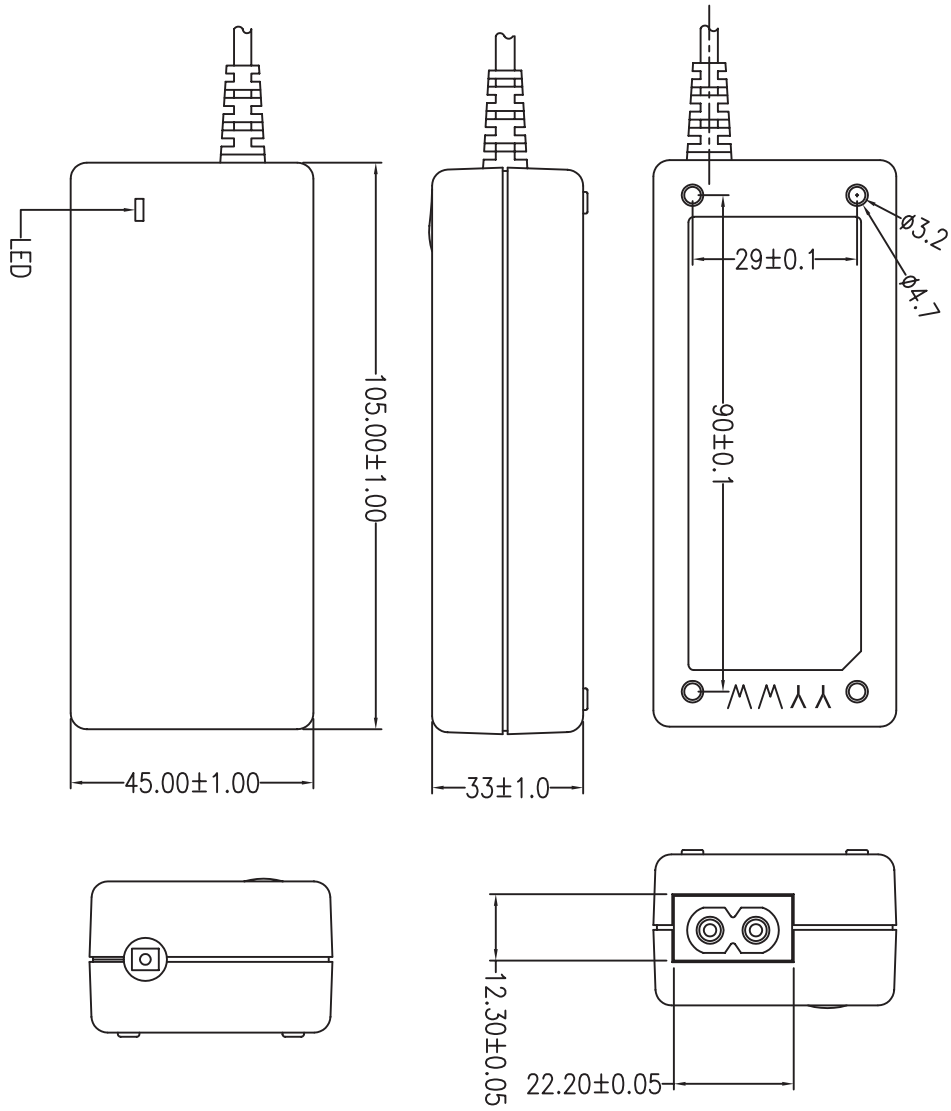
11.2.1 Bending test: Life 1000times 100% guarantee. Swings 120^b Left to right loading weight 200g, 40 cycle/minute 2400 cycles.

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

12. Cable Drawing



13. Mechanical Drawing



14. Label

