

SPECIFICATION

Switching Wallmount Adapter Interchangeable AC Plugs

**10.8W 12VDC Output
Universal AC Input
Efficiency Level VI**

**P/N: W120009GPX LX
Lantronix P/N: 520-159-R**

Specification Approval

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

Company Name

Print Name

Signature

Date



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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: 0.5A Max. @ 100VAC
- 1.6 Max. consumption (no-load): 0.075W 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

- 2.1 Rating output voltage: 12V
- 2.2 Rating output current: 0.9A
- 2.3 Min. load current: 0A
- 2.4 Output no-load voltage: 12V±5%
- 2.5 Output load voltage: 12V±5%
- 2.6 Output ripple & noise: 300mV

3. General

- 3.1 Max output power: 10.8W
- 3.2 Efficiency: 82.65% Min. (meets efficiency level VI)
- 3.3 Short circuit protection: The output can be shorted without damage.
Power supply will auto-recover once fault condition is removed.
- 3.4 Over-voltage protection: Over voltage condition shall not cause damage.
Power supply will auto-recover once fault condition is removed.

4. Environmental

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

5. EMI Standard

FCC Part 15 Class B; EN55022:2010

6. Hi-pot

- 6.1 Primary to secondary: 4525VDC for 3 sec. 5mA
- 6.2 Primary to case: 4525VDC for 3 sec. 5mA

7. Insulation resistance

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

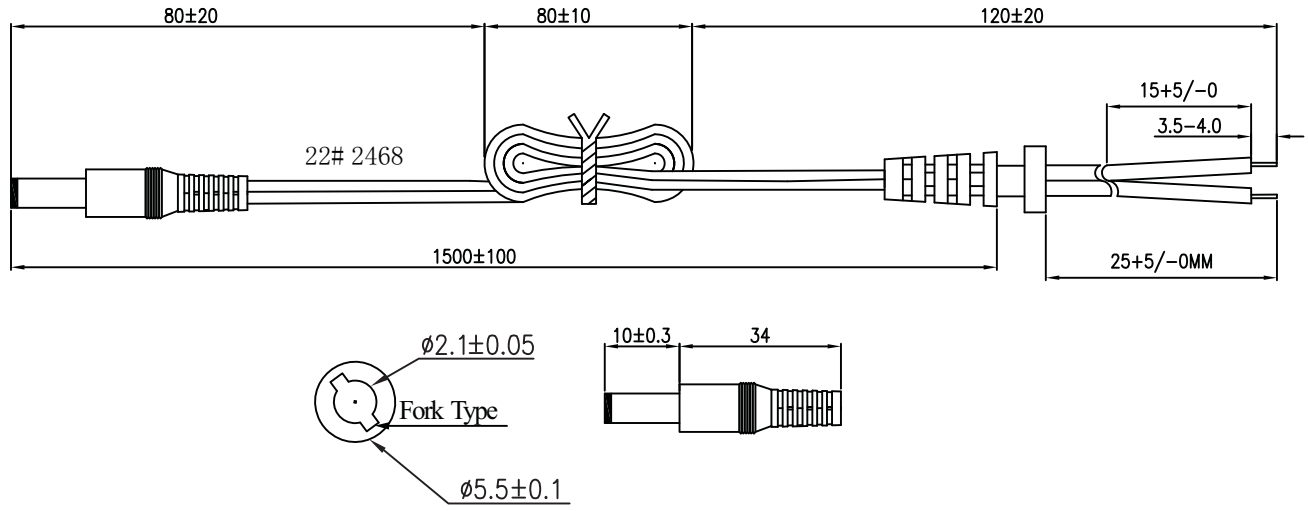
8. Reliability

- 8.1 Burn-in: 2 hrs, 40°C +/-5°C, 240VAC
ON/OFF cycling full load nominal line
- 8.2 Altitude: Will operate properly at altitude between 0 to 6000ft

9. Mechanical

- 9.1 Bending test: 1000times, weight 200 g, 45 cycle/minute
- 9.2 Drop test: Height of 1M, 1 drop per face onto concrete surface

10. DC Cable and Plug



11. Mechanical Drawing

