

SPECIFICATION

High Quality Switching Wallmount Adapter Interchangeable AC Plugs

Universal AC Input
10W 5VDC 2.0A Output



P/N: W050020GPX

****Specification Approval****

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

Company Name

Print Name

Signature

Date



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062210V.A1

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: 0.4A max. @100V AC
- 1.6 AC input Max power(No load): 0.3W max. @230V AC
- 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: 5V
- 2.2 Rating output current: 2A
- 2.3 Min. load current 0A
- 2.4 Output no-load voltage: $5V \pm 5\%$
- 2.5 Output load voltage: $5V \pm 5\%$
- 2.6 Output ripple & noise: 300mV max.

3. General characteristics

- 3.1 Max output power: 10W
- 3.2 Efficiency measurement : 72% (min.)@ full load & input 230VAC, output set to 5V/2A.
for production testing: 72% (min.)@ full load & input 115VAC, output set to 5V/2A.
- 3.3 Efficiency : 73.37% Min. at 115Vac 60Hz and 230Vac 50Hz input,
and 25%,50%,75%,100% of full load after 10minutes warm-up.
i.e. meet CEC efficiency level V and EUP.
- 3.4 Short circuit protection: Protection against short circuit for output.
The output can be shorted premanently without damage.
- 3.5 Overshoot / Undershoot: $5V \pm 10\%$
- 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 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. Application standard : meet

UL1950
EN60950
EN55022
GB4943

6. EMI standard : meet Fcc class B,CE,VCCI-II

7. HI-POT test

- (1)Primary to secondary: 4242VDC for 1minute 5mA(Safety test)
- (2)Primary to case: 4525VDC for 3sec 5mA(Production test)

8. Insulation resistance

Input to output: >10Mohm.@500VDC

9. Reliability:

- 9.2 Burn-in: 40°C +/-5°C @ 240VAC
ON/OFF cycling full load nominal line
- 9.3 Altitude: Will operate properly at altitude between 0 to 10000ft

10. Mechanical

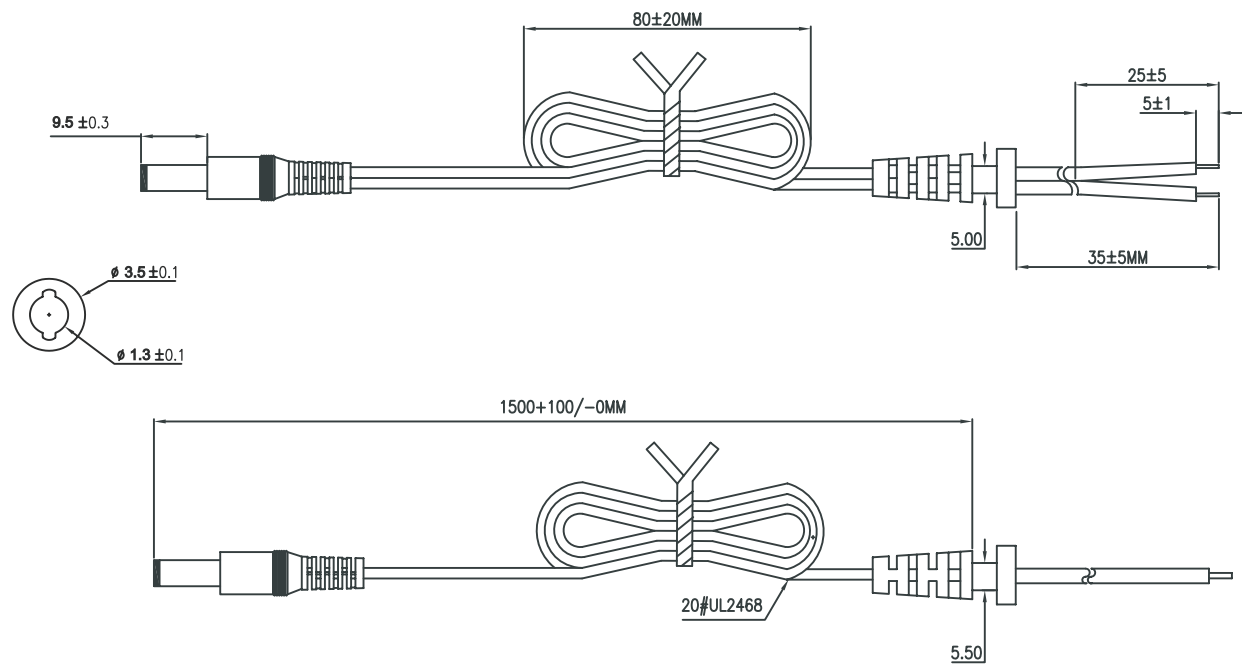
10.1 Dimensions: Please see the mechanical dimension drawing.

11. Mechanical specification:

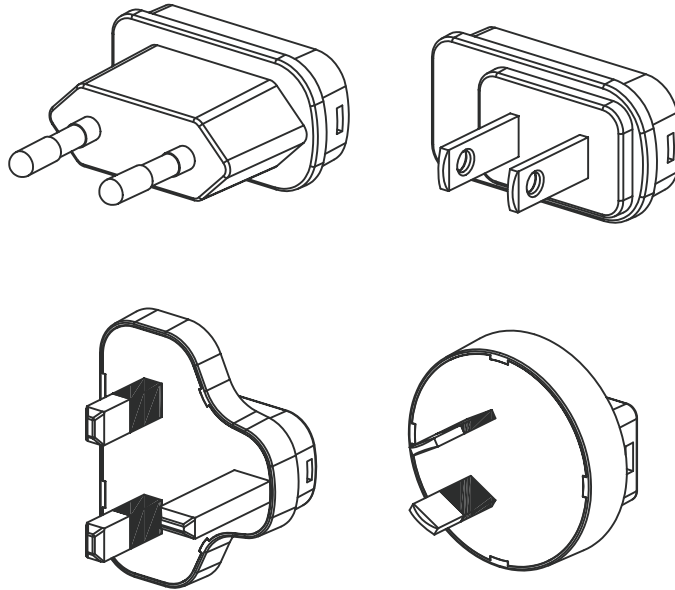
11.1 DC cord:

- 11.1.1 Bending test: Life 1000times 100% guarantee. Swings 120 forn Left to right loading weight 200 g, 40 cycle/minute 2400 cycles.
- 11.1.2 Pull test: DC cord and plug, weight 9kg for 1 minute.

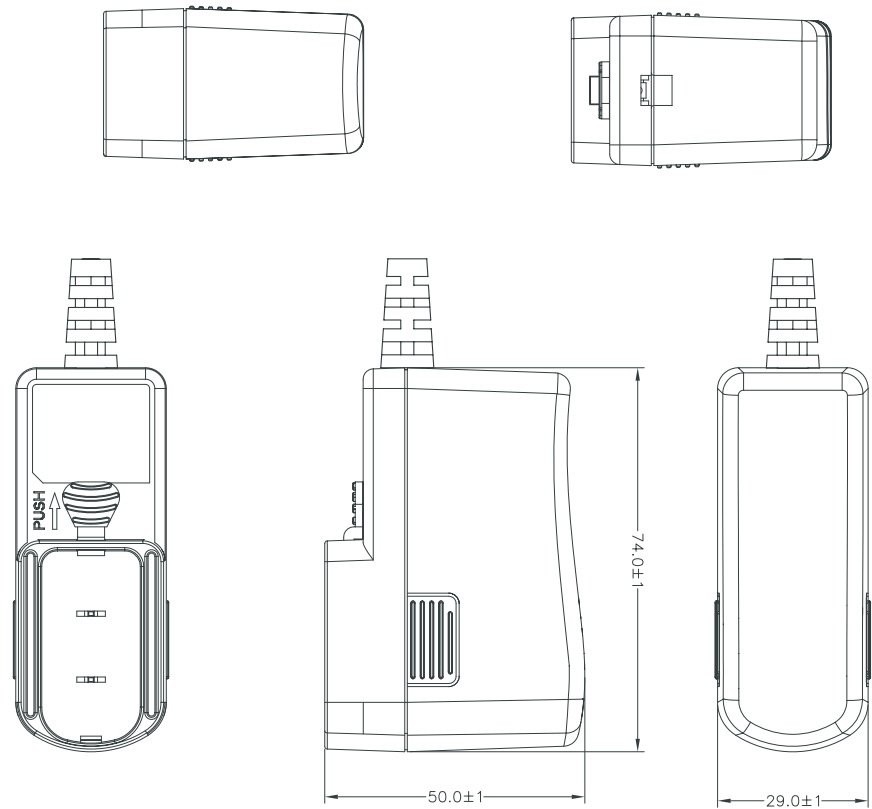
12. DC Cable & Plug



13. AC Plugs

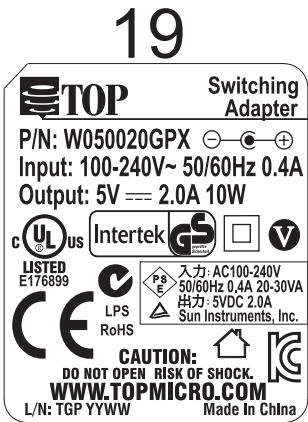


13. Mechanical



14. Label

Unit: mm



22.5