

# ADP12ACW-12




Single Output Power Supply



## Features and Applications:

- 12W AC/DC Universal input Switch Mode Power Supplies
- Case dimension 2.71×1.77×1.22 inch
- Over-voltage, over-current, and short circuit protection
- EN55022,FCC part 15 conducted noise level B
- CE, CUL, CB certified
- Conforms to Energy Star requirements

All specifications are typical at nominal input, full load, at 25 °C unless otherwise stated.

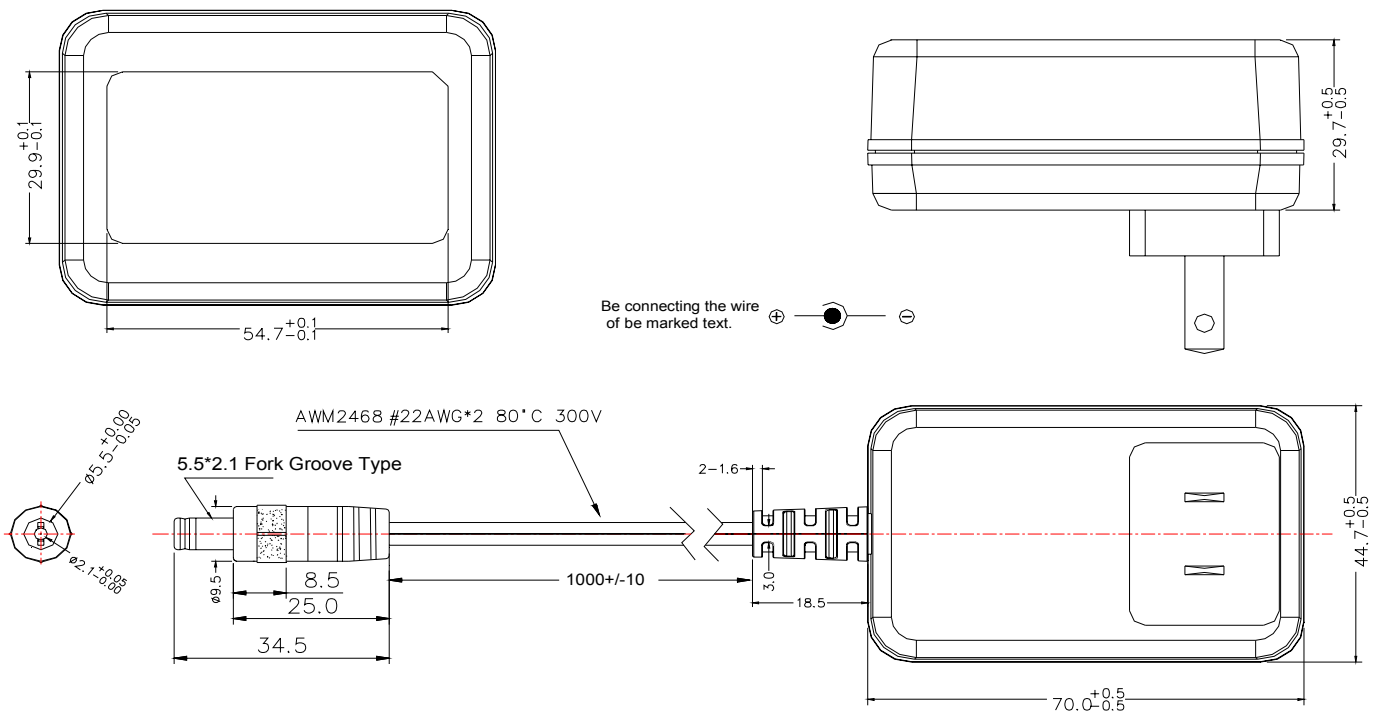
| Electrical Specs                   |   | General              |  |
|------------------------------------|---|----------------------|--|
| <b>INPUT</b>                       |   |                      |  |
| Input Range                        | 90 ~ 264V AC  | Weight               | 93 g (0.207 lbs.) max.                                   |
| Input Current                      | 0.4A max. @ 90V AC  |                      |  |
| Efficiency                         | 72% @ 115V AC   | Switching Freq.      | 100KHz fixed   |
| Inrush Current                     | 40A max. @ 120VAC cold start  | MTBF                 | 50,000 hours min.<br>@ 80% of full load                  |
| <b>OUTPUT</b>                      |   | <b>Environmental</b> |  |
| Output Current                     | 1.0A max.<br>1.5A peak  | Operating Temp.      | 0°C ~ 50°C   |
| Load Regulation                    | 12V ±5%   | Storage Temp.        | -20°C ~ 85°C   |
| Line Regulation                    | 12V ±1%   | Relative Humidity    | 5% to 95%<br>Non-condensing                              |
| Ripple & Noise                     | 120mV PK-PK of Vo at 20M Hz   | Vibration            | 3.5G rms peak, 5Hz ~ 500Hz                               |
| Transient Response                 | +/- 5% regulation<br>@ 50% step of full load  | Shock                | 80G peak   |
| Power On Time                      | 2s max. at turn on  | Altitude             | Operating 10,000 ft max.<br>Non-operating 10,000 ft max. |
| Hold-up Time                       | > 5ms @ full load, 115VAC   |                      |  |
| OVP Protection                     | shall not exceed 16 volts   |                      |  |
| OCP protection                     | 4A max.   |                      |  |
| Short circuit protection           | Auto-Restart Mode   |                      |  |
| No load operation                  | Pass @ Single output  |                      |  |
| Safety and Mark                    |   | EMC                  |  |
| cUL UL60950-1: 2003, First Edition |  | Conducted Emissions  | EN55022, FCC part 15 level B                             |
| CE EN55024,EN55022,EN61000         |  | Radiated Emissions   | EN55022, FCC part 15 level A                             |
| Eff Level IV                       |  | ESD                  | EN61000-4-2, level3                                      |
|                                    |   | Surge                | EN61000-4-4, level3                                      |
|                                    |   | Fast transient       | EN61000-4-2, level3                                      |

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## Mechanical Information



- Note: 1. All dimensions in mm  
2. Detailed mechanical drawing upon request