

# ADP10AC-1A-L




Single Output Power Supply



## Features and Applications:

- 5W AC/DC Switch Mode Power Supplies
- Case dimension 2.35×1.39×1.27 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 ~ 137V AC	Weight	0.0925 Kg (0.205 lbs.) max.
Input Current	0.25A max. @ 90V AC		
Efficiency	63.4% @ 115V AC	Switching Freq.	100KHz fixed
Inrush Current	20A max. @ 120VAC cold start	MTBF	50,000 hours min. @ 80% of full load
<b>OUTPUT</b>		<b>Environmental</b>	
Output Current	1.0A max. 1.5A peak	Operating Temp.	0°C ~ 50°C
Load Regulation	5.1V ±5%	Storage Temp.	-20°C ~ 85°C
Line Regulation	5.1V ±1%	Relative Humidity	5% to 95% Non-condensing
Ripple & Noise	70mV PK-PK of Vo at 20M Hz	Vibration	3.5G rms peak, 5Hz ~ 500Hz
Transient Response	+/- 5% regulation @ 50% step of full load	Shock	80G peak
Power On Time	2s max. at turn on	Altitude	Operating 10,000 ft max. Non-operating 10,000 ft max.
Hold-up Time	> 5ms @ full load, 115VAC		
OVP Protection	shall not exceed 6.8 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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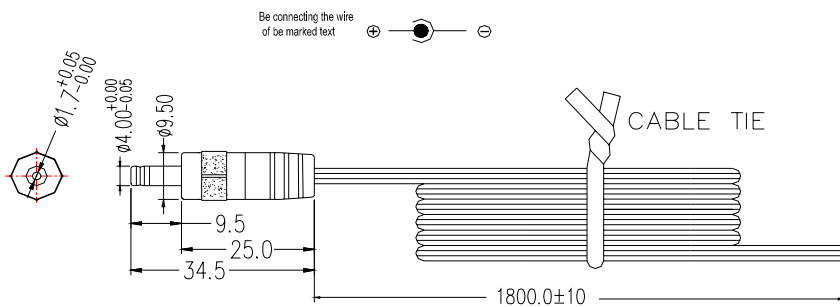
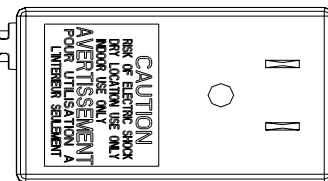
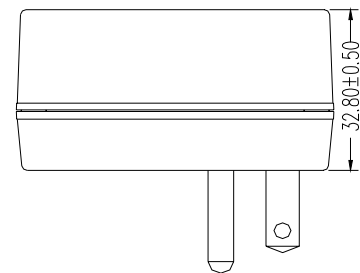
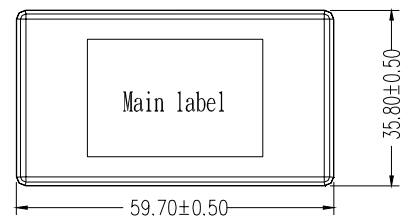
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## Mechanical Information

Notes:

1. Wire: AWM 2468 #22AWG\*3C 80°C 300V;
2. Plug: OD=4.0 ID=1.7;
3. Other tolerances:  $\pm 0.2$  .



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