



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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AD10048P3L-001

100 Watts

Total Power: 100 Watts
Input Voltage: 90 - 264 Vac
of Outputs: Single



Special Features

- Active power factor correction
- EN6100-3-2 compliant
- CE Mark EMC & LVD
- Universal ac input
- Fully regulated output
- Overcurrent, overvoltage and thermal protection
- Constant voltage
- Level V efficiency
- High MTBF
- IEC320 ac receptacle, 3 pin (type C6)
- Built in EMI filter (CISPR 22 Class B)
- AC Input fuse
- Complies with One Watt Input Energy Star / Blue Angel requirement
- POE isolation on output

Safety

- **UL** UL 60950-1
- **CSA** CSA-C22.2 no.60950-1
- **NEMKO** EN/IEC60950-1
- **CB** Certificate and report

Electrical Specifications

Input

Input range:	90 - 264 Vac (wide range)
Frequency:	47 - 63Hz
Inrush current:	40 A maximum @ 264 Vac, cold start 25 °C
Input current:	1.8 A maximum
Efficiency:	90% typical
EMI/RFI:	FCC Part 15, Subpart B Class B & EN55022 (CISPR 22) Class-B
Safety ground leakage current:	3.5 mA maximum @ 50/60 Hz, 264 Vac input

Output

Maximum Power (Po):	100 W
Hold-up time:	10 ms. minimum at full load @ 115 Vac
Overvoltage protection:	53 - 60 V Latching type, recycle ac to reset
Overcurrent protection:	Output short circuit protection auto recover Overload protection @ 110 - 120% above maximum rating
Thermal protection:	105 °C to 120 °C Trip point; output will latch off
Cable/connector:	DC cable length 2.5 mm center plug DC plug center +v DC plug outer -v

Environmental Specifications

Operating temperature:	0 ° to + 45 °C ambient
Storage temperature:	- 40 °C to + 70 °C
Electromagnetic susceptibility:	Designed to meet EN61000-4-2, -4, -5, level 4; EN61000-4-3, -6, 10v/m; EN61000-4-8, -11; EN61000-3-3 and EN61000-3-2 Class A
Humidity:	Operating; non-condensing 5% to 90% RH
MTBF demonstrated:	> 300,000 hours at full load and 25 °C ambient conditions

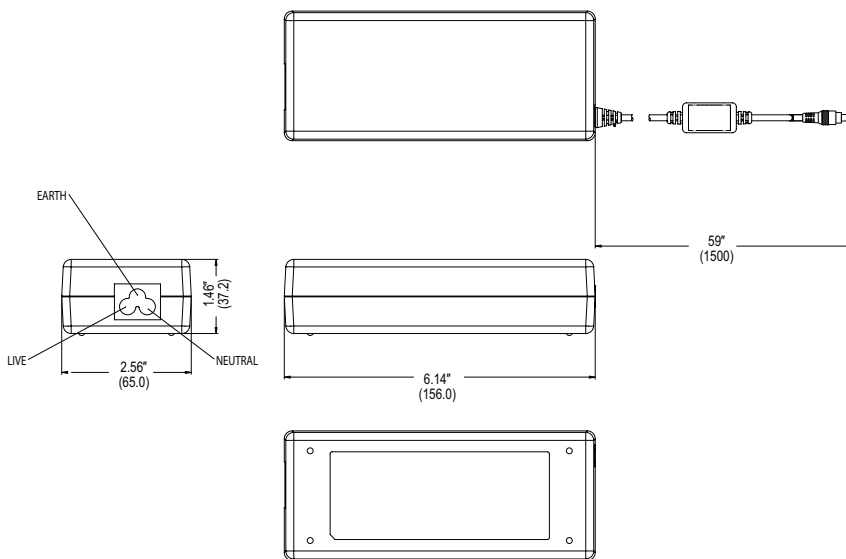


Ordering Information

Model Number	Maximum Power	Output Voltage	Maximum Load	Peak Load ¹	Regulation ²	Ripple P/P (PAR) ³
AD10048P3L-001	100 W	48 Vdc	2.08 A	2.29 A	± 5%	< 500 mV

1. Peak current lasting <4 seconds with a maximum 10% duty cycle.
2. At 25 °C including initial tolerance, line voltage, load currents and output voltages adjusted to factory settings.
3. Peak-to-peak with 20 MHz bandwidth and 10 µF (tantalum capacitor) in parallel with a 0.1 µF capacitor at rated line voltage and load ranges.

Mechanical Drawing



1.47" (H) x 2.56" (W) x 6.14" (L)
37.2 mm (H) x 65.0 mm (W) x 156.0 mm (L)
AC Input Connector: IEC320, C6
AC Input power cord sold separately

Notes:

1. Specifications subject to change without notice.
2. All dimensions in inches (mm), tolerance is ± 0.02" (± 0.5 mm)
3. Warranty: 2 year
4. Weight: 1.11 lb./ 0.5 kg
5. AC input power cord sold separately.
6. Specifications at factory settings at 115 Vac input, 25 °C unless otherwise stated

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