Rev. 01.31.08
AD8024N3L-001

AD8024N3L-001

78 Watts

Total Power: 78 Watts
Input Voltage: 90 - 264 Vac
# of Outputs: Single

RoHS 2002/95/EC

ENERGY STAR

Special Features

- CE Mark EMC & LVD
- Universal AC input
- Fully regulated output
- Overcurrent, Overvoltage and Thermal protection
- Constant voltage
- High efficiency
- High MTBF
- IEC320 AC receptacle, 3 pin (type C14)
- Built in EMI filter
- (CISPR 22 Class B)
- AC Input fuse
- Complies with One Watt Input Energy Star / Blue Angel Requirement

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:	47-63 Hz
Input current:	2 A maximum
Efficiency:	84% typical
EMI/RFI:	FCC Part 15, Subpart B Class B & EN55022 (CISPR 22) Class B
Safety ground leakage current:	0.5 mA maximum@ 50/60 Hz, 264 Vac input
Output	
Maximum Power (Po):	78 W
Hold-up time:	10 ms. minimum at full load @ 115 Vac
Overcurrent protection:	Output short circuit protection auto recover Overload protection @ 110 - 120% above maximum rating
Thermal protection:	Internally protected; 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 +40°C ambient
Storage temperature:	-40°C to +70°C
Electromagnetic susceptibility:	Designed to meet EN61000-4-2, -3, -4, level 2; EN61000-4-5, Level 4; EN61000-3-3
Humidity:	Operating; non-condensing 5% to 90% RH
MTBF demonstrated:	>300,000 hours at full load and 25°C ambient conditions

ASTEC

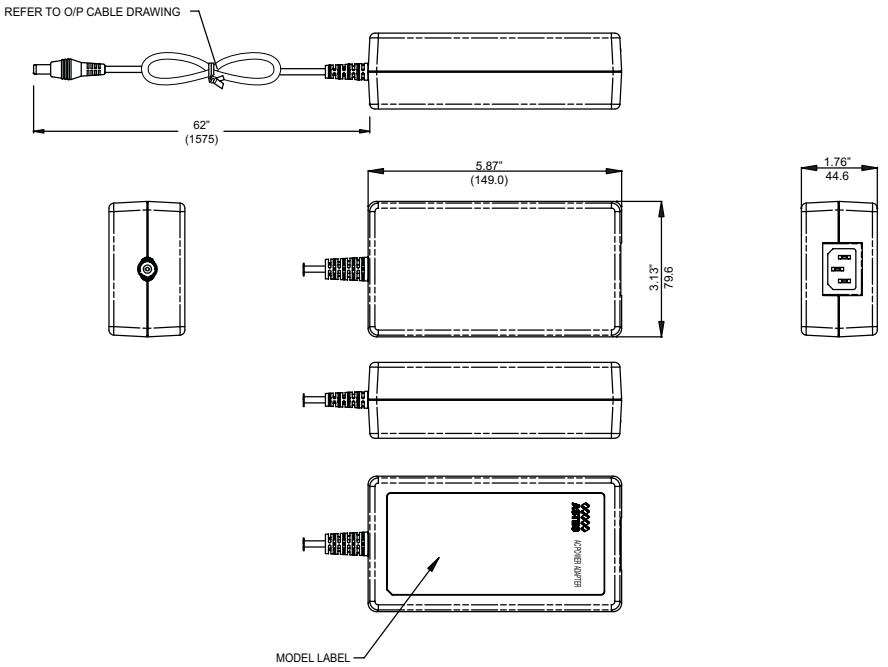
EMERSON Network Power

Ordering Information

Model Number	Maximum Power	Output Voltage	Maximum Load	Peak Load[1]	Regulation[2]	Ripple P/P (PARD)[3]
AD8024N3L-001	80 W	24 Vdc	3.25 A	4.16 A	±5%	<400mV

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 20MHz bandwidth and 10µF (tantalum capacitor) in parallel with a 0.1µF capacitor at rated line voltage and load ranges.

Mechanical Drawing



1.76" (H) x 3.13" (W) x 5.87" (L)
44.0 mm (H) x 79.6 mm (W) x 149.0 mm (L)
AC Input Connector: IEC320, C14
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: 0.91 lb./ 0.41 kg
5. AC input power cord sold separately.
6. Specifications at factory settings at 115VAC input, 25 °C unless otherwise stated

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