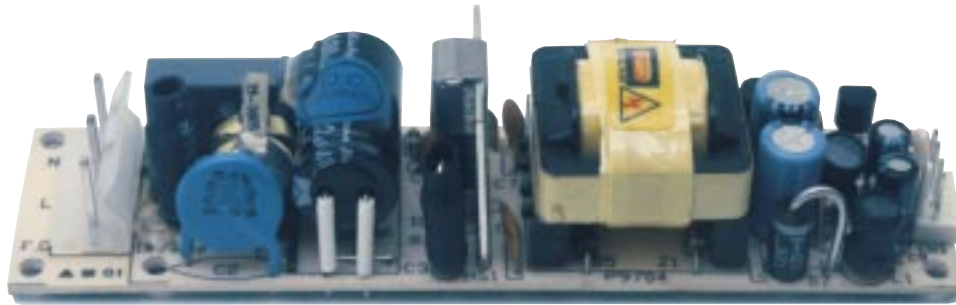




LIEN ENGINEERING, INC.

Universal Open Frame Power Supplies

S50 Series 15 Watt Single and Dual Output Switching Power Supplies



One of the Smallest Designs available today!

Features

- Auto Selecting, Full Range 90 - 260 VAC Input
- Proven High Reliability Design
- High Efficiency
- Fan and Power "On" LED Outputs
- UL, CSA, TUV Approved
- On Board EMI/RFI Filtering - Meets FCC Class B
- Reliable MOS-FET Design

For over 25 years, Lien Engineering, Inc. has been producing innovative Power Conversion and Enclosure Products for large and small computers, computer peripherals, medical, communications, and other industrial requirements.

LIEN ENGINEERING, INC.

7940 Arjons Drive • San Diego, California 92126 U.S.A. • Phone: (619) 695-1070 • FAX: (619) 695-6501

SPECIFICATIONS

INPUT

INPUT VOLTAGE: 90VAC to 260VAC
47 - 63 Hz

No external jumpers or switching required
INRUSH CURRENT: <30A Peak @ 115VAC
<15A Peak @ 230VAC

INPUT CURRENT: 1A Max RMS @ 115VAC
EFFICIENCY: >75% Typical at full load
EMI FILTER: Meets FCC Class B

CROSS REGULATION: $\pm 2\%$ for +5V; $\pm 5\%$ for +12V
NOISE: (mv P-P) 60mV for +5V; 120mV for +12V
HOLD-UP TIME: 12ms Minimum at full load and 115VAC nominal line
LINE REGULATION: 0.5% Maximum
PROTECTION: Foldback @ 105% to 150% of rated output
Automatic recovery
5.6VDC $\pm 10\%$ for +5V
Continuous short circuit protection

OUTPUT

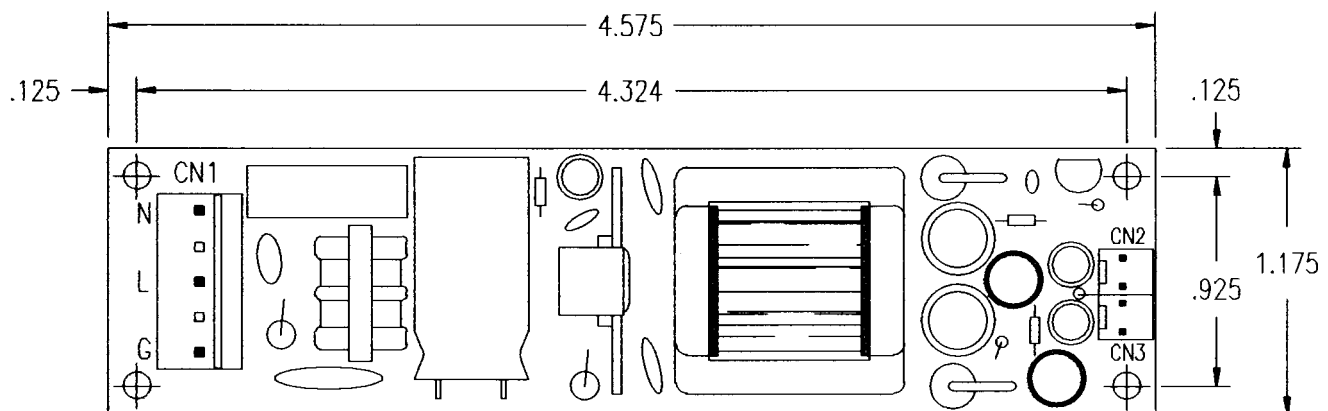
OUTPUT RATING: (Amps) +5VDC @ 0 - 4.0
+12VDC @ 0 - 5.0/8.0pk
"Power ON" LED output: +5VDC with onboard 270 Ω limit resistor
RIPPLE & NOISE: 1% Peak to peak maximum of all outputs
ADJUSTMENT RANGE: $\pm 10\%$ Rated output

ENVIRONMENTAL

OPERATING TEMPERATURE: 0°C to 55°C
STORAGE TEMPERATURE: -40°C to 85°C
MTBF: >50,000 POH at maximum operating temperature

DIMENSIONS: 1.2" x 4.6" x 1.1"

MODEL	POWER	VOLTAGE	CURRENT
S50P5	15W	+5V	3.0A
S50P12	15W	+12V	1.2A
S50P15	15W	+15V	1.0A
S50P5N5	15W	+5V -5V	1.5A 1.5A
S50P5P12	15W	+5V +12V	1.5A 0.6A
S50P12N12	15W	+12V -12V	0.6A 0.6A
S50P48	15W	+48V	0.3A



(All Dimensions In Inches)