

LIEN ENGINEERING, INC.

UNIVERSAL OPEN FRAME POWER SUPPLIES

SP15W1P-249x 15 WATT SINGLE OUTPUT SWITCHING POWER SUPPLY



FEATURES:

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

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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

OUTPUT

OUTPUT RATING: (Amps)+5VDC @ 0.2 - 1.5

-5VDC @ 0.05 - 0.5 +12VDC @ 0.5

"Power ON" LED output:+5VDC with onboard

 270Ω limit resistor

RIPPLE & NOISE: 1% Peak to peak maximum

of all outputs

ADJUSTMENT RANGE: $\pm 10\%$ Rated output CROSS REGULATION: $\pm 2\%$ for +5V; $\pm 6\%$

for -5V; $\pm 7\%$ for +12V

NOISE: (mv P-P) 60mV for +5V; 60mV for

-5V; 100mV 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

Auto recovery

5.6VDC $\pm 10\%$ for +5V

Continuous short circuit protection

ENVIRONMENTAL

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

DIMENSIONS: 90mm x 53mm x 25.4mm

			CURRENT	
MODEL	POWER	VOLTAGE	Min.	Max.
SP15W2P-249	15W	+5V	0.2A	1.5A
		+12V	0.05A	0.5A
SP15W1P-249A	15W	+5V	-	3.0A
SP15W1P-249B	15W	+12V	-	1.25A
SP15W1P-249C	15W	+15V	-	1.0A
SP15W1P-249D	15W	+24V	-	0.62A
SP15W1P-249E	15W	+48V	-	0.31A

