



3C Series 14 to 60 Watt Desktop Power Adapters



- 3-pin IEC inlet
- 90 to 264 VAC input
- High reliability
- Low ripple and noise
- Over voltage protection
- Over load protection
- Short circuit protection
- 4.33" x 2.48" x 1.18" case
- High volume @ very low cost

Product No.	Model No.	Output Voltage	Output Current	Ripple & Noise	Efficiency
3C-05-25	FSP025-1AD102	5VDC	0-5A	75mV	65%
3C-12-36	FSP036-1AD101	12VDC	0-3A	180mV	80%
3C-12-40	FSP040-1AD101	12VDC	0-3.3A	180mV	80%
3C-12-48	FSP048-1AD101	12VDC	0-4A	180mV	80%
3C-12-50	FSP050-1AD101	12VDC	0-4.16A	180mV	80%
3C-12-60	FSP060-1AD103	12VDC	0-5A	180mV	80%
3C-48-14	FSP014-1AD101	48VDC	0-0.3A	480mV	75%

SPECIFICATIONS All Specifications are typical at nominal input, full load @ 25°C unless otherwise stated.

Input Voltage

90VAC to 264VAC full range, 47Hz to 63Hz

AC Inlet

IEC320/C14, 3-pin male

DC Output

See table

DC Output Plug

2.5 x 5.5 x 10 mm female barrel, center positive.
Contact factory for other types.

LED Indicator

Green - operating; Blinking - protection mode

Inrush Current

15A peak max. @115VAC;
30A peak max. @230VAC, cold start @25°C

Line Regulation

±1%

Load Regulation

±5%

Ripple and Noise

See table

Efficiency

See table

Transient Response

Output recovers in less than 1ms following a 25% load change

Over Voltage Protection

Set @ 112% to 160% of the nominal output

Over Load Protection

Set @ 110% to 130% of the rated max. load

Short Circuit Protection

Output short circuit (load < 0.1 ohm) protected,
auto-recovery

Hold-up Time

9ms min. @ full load, 115VAC/60Hz

Temperature Range

Operating 0°C to +40°C; Storage -30°C to +80°C

Temperature Coefficient

±0.04%/°C max.

Relative Humidity

5% to 95% RH, non-condensing

Safety Standards

UL1950, CSA 22.2 No. 950, IEC950/EN60950, CE

EMI Standards

FCC Class B, CISPR 22 (EN55022) Class B

MTBF

>100K hours per MIL-HDBK-217F @25°C, full load

Case Material

Black plastic, UL94V-0 rated

Weight

8.5 to 12 oz.

#3C-0403