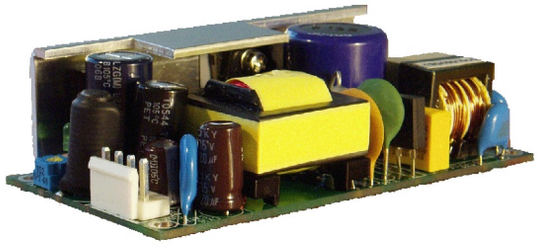
Acro Engineering Incorporation

AO1060 Series

60Watts, Single Output



Dimensions:101(L)x51(W)x30.5(H)mm

Features:

- High power density
- Universal input range
- Convection cooled
- RoHS compliance
- 3 - year warranty
- Great reliability
- Over voltage protection
- Overload protection
- Short circuit protection

General Specifications

INPUT

Input voltage.....100~240VAC
Input frequency .....47~400Hz
Inrush current 22A/115VAC
(Cold start) . . 44A/230VAC

OUTPUT

Hold-up time (Full load@230VAC).....16mS Min.
Over voltage protection .....Autorecovery
Overload protection ..... Power limited
Short circuit protection..... ..... Autorecovery
Transient response. .. (Load change 50% to 100%)
Voltage deviation 5%
Recovery time 500uS

EMC STANDARDS

EN 55011	Class B
EN 55022	Class B
EN 61000-4-2	Level 3
EN 61000-4-3	Level 3
EN 61000-4-4	Level 3
EN 61000-4-5	Level 3
EN 61000-4-6	Level 3
EN 61000-4-8	Level 3
EN 61000-4-11	Level 3

SAFETY STANDARDS

CE EN 60950 (Marking)
c UL us UL 60950 (Meet)
R CSA 22.2 (Meet)

ENVIRONMENTAL

Operating temperature: -20°C ~ 50°C ambient, derating each output at 2.5% per degree from 50°C to 70°C
Operating humidity: Non-condensing, 5% ~ 95%RH.
Vibration: Random vibration, 10Hz ~ 100Hz, 3axise.
MTBF: 85,000hrs Min. Per MIL-HDBK-217F, 25°C GB.
Temperature coefficient: ±0.04% / °C

Web site : http://acro-powers.com.tw
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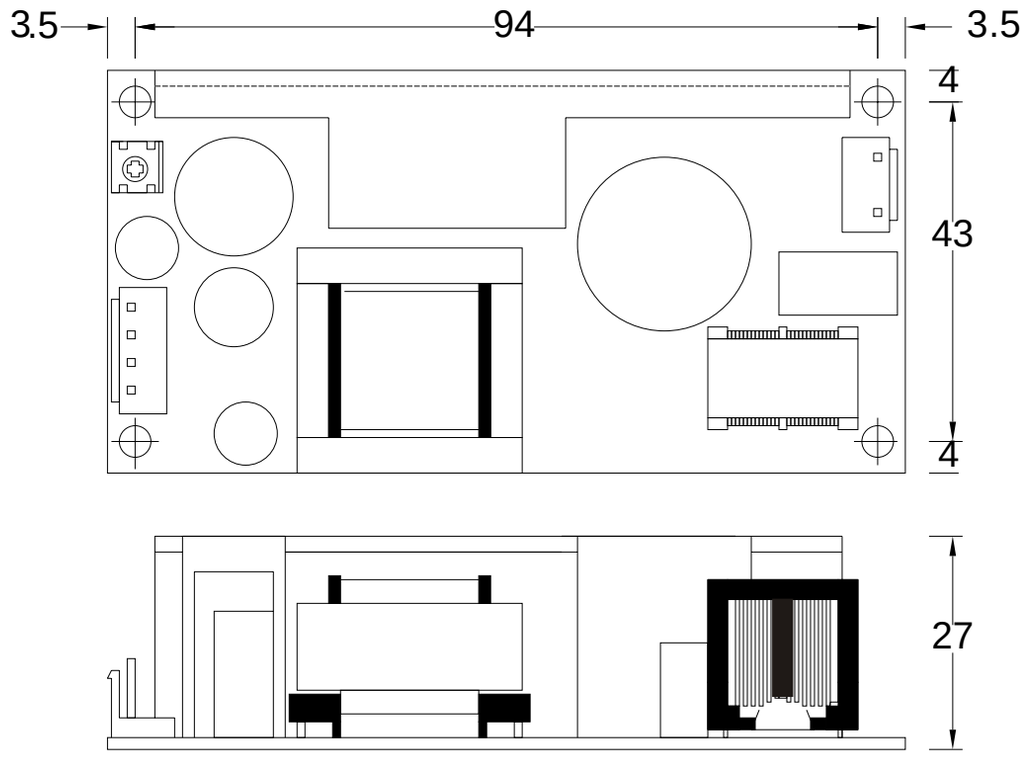
Output Specifications

Model	O/P voltage Adjustment	Loading (A) Min.	Rated	Max.	Ripple Noise	Line Reg.	Load Reg.	Efficiency	Over voltage Protection
AO1060-12F	+12VDC±10%	0A	5A	5A	100mVp-p	±1%	±1%	78%	20VDC Max.
AO1060-24F	+24VDC±10%	0A	2.5A	2.5A	150mVp-p	±1%	±1%	80%	30VDC Max.
AO1060-28F	+28VDC±10%	0A	2.1A	2.1A	200mVp-p	±1%	±1%	80%	37VDC Max.
AO1060-48F	+48VDC±10%	0A	1.2A	1.2A	250mVp-p	±1%	±1%	80%	60VDC Max.

NOTE:

1. Each output can supply up to maximum current, but total loading can not exceed rated output wattage.
2. Line regulation is measured from low line to high line at rated load.
3. Load regulation is measured from 20% to 100% of rated load at 230VAC input.
4. Ripple & Noise is measured by using a 0.1uF/630V metalized capacitor & a 47uF electrolytic capacitor parallel on the test point, at rated load and 230VAC input.
5. Efficiency is measured at rated load and 230VAC input.
6. Hold-up time is measured at rated load and 230VAC input.

Mechanical Details



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