



**Intronics
Power®**

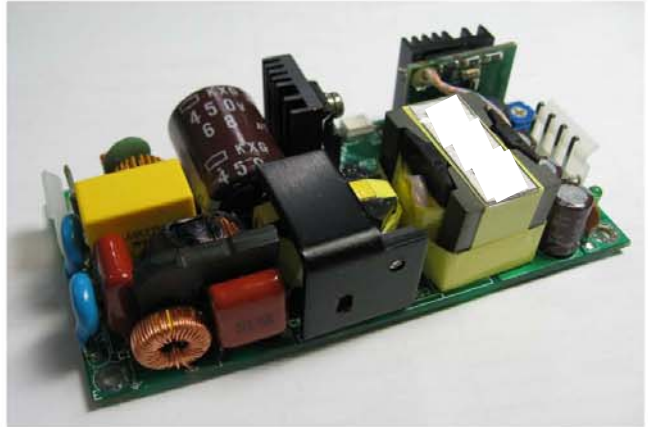
AC100X SERIES

**100 WATT OPEN FRAME
AC-DC MODULES WITH PFC**



FEATURE

- * 100W Single Output
- * Universal Input 90-264Vac
- * Active PFC Function
- * 2"X4" Size
- * Efficiency at 88% Typical
- * Continuous Short Circuit Protection
- * Meets EN55022 Class "B" and CISPR/FCC Class B, Conducted



| Model | Output Voltage | Max. Load | Min. Load | Ripple & Noise Noise | Voltage Accuracy | Line Regulation | Load Regulation | %EFF |
|----------|----------------|-----------|-----------|----------------------|------------------|-----------------|-----------------|----------|
| AC100X12 | 12V | 8.4A | 0 A | 1% | +/- 1% | +/- 0.5% | +/- 1% | 87% Typ. |
| AC100X15 | 15V | 6.7A | 0 A | 1% | +/- 1% | +/- 0.5% | +/- 1% | 87% Typ. |
| AC100X20 | 20V | 5.0A | 0 A | 1% | +/- 1% | +/- 0.5% | +/- 1% | 88% Typ. |
| AC100X24 | 24V | 4.2A | 0 A | 1% | +/- 1% | +/- 0.5% | +/- 1% | 88% Typ. |
| AC100X48 | 48V | 2.1A | 0 A | 1% | +/- 1% | +/- 0.5% | +/- 1% | 88% Typ. |

SPECIFICATIONS

Typical at 25°C, nominal line and 75% load, unless otherwise Specified

INPUT SPECIFICATIONS:

Voltage 90~264Vac
 Frequency 47 to 63Hz
 Inrush Current 90A Max. @240Vac
 Conducted EMI CISPR/FCC Class B
 Isolation Input to output = 4,242VDC
 Leakage Current 3.5mA max.

OUTPUT SPECIFICATIONS:

Holdup Time 12mS typ. @115Vac
 Short Circuit Protection Continuous
 Temperature Coefficient $\pm 0.05\%/^{\circ}\text{C}$

GENERAL SPECIFICATIONS:

Operating Temperature 0 ~ 40°C
 Storage Temperature -20~85°C
 Cooling Natural Convection
 Humidity 0~93% at 25°C

MECHANICAL CHARACTERISTICS:

Dimensions 101.6x50.8x27.94mm (2.0x4.0x1.1Inches)
 Weight 150g

NOTE:

1. Add a 0.1uF ceramic capacitor and a 10uF E.L. capacitor to output for Ripple & Noise measuring @20MHz BW.
2. Line regulation is measured from 100Vac to 240Vac with full load.
3. Load regulation is measured from 10% to 100% full load.
4. Connectors : AC input: Molex 5277 or equivalent
 DC input: Molex 5273 or equivalent

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All Dimensions In Inches[mm]

Tolerances : Inches:x.xx = ± 0.02 , x.xxx = ± 0.010
 Millimeters:x.x = ± 0.5 , x.xx = ± 0.25

