



**Intronics
Power®**

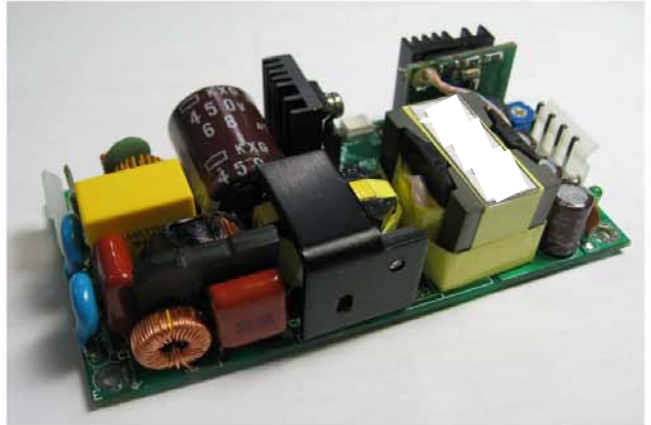


FEATURE

- * 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

AC100X SERIES

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



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	±0.05%/°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

AC100X SERIES

All Dimensions In Inches[mm]

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

