

Power Supply COUNT®-PSU

Features

- Universal input range 90 – 264 VAC
- Meets EN55022 Class B and CISPR/FCC Class B. Conducted
- Continuous short circuit protection
- Over voltage protection (option)
- CEC level IV compliant
- Output cable length < 1200 mm



Specifications

Input Specifications

Voltage	90 ~ 264 Vac
Frequency	47 to 63 Hz
Inrush current	70 A max. @ 240 Vac
Conducted EMI	CISPR/FCC Class B
Isolation	Input to output = 4.242 VDC
Leakage current	3.5 mA max.
Input connector	3 Pin IEC 320/C14

Output Specifications

Holdup time	8 mS typ. @ 115 Vac
Short circuit protection	continuous
Over voltage protection	yes
Output connector	LEMO, FGG.0B.302.CLAD42
Output voltage	12 V
Output current	3.75 A
Mini. LOAD	0
Ripple & noise	120 mVp-p
Voltage setpoint	±1%
Line regulation	±3%
Switching frequency	100 kHz Typ.
%EFF	84% Typ.

Environmental Characteristics

Operating temperature	0 ~ 40 °C
Storage temperature	-20 ~ 85 °C
Cooling	natural convection

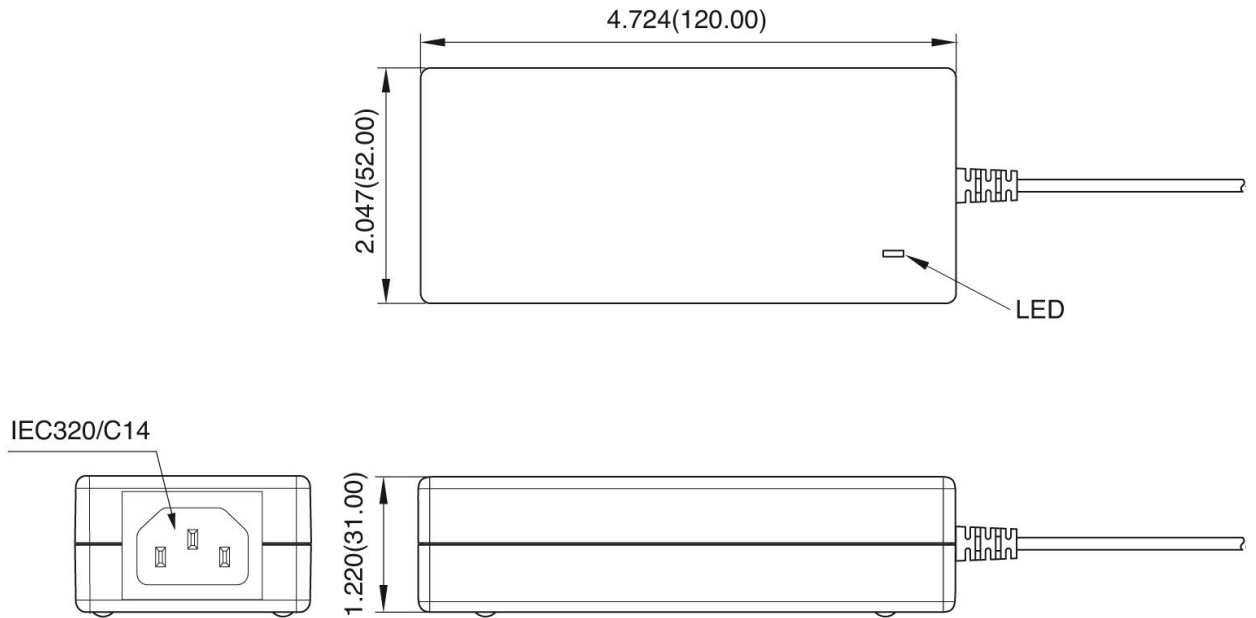
Mechanical Characteristics

Dimensions	120.00 x 52.00 x 31.00 mm
Weight	280 g
AC inlet	IEC320/C14

Note:

1. Voltage setpoint at 60% full load.
2. Add a 0.1 µF ceramic capacitor and a 10 µF E.L. capacitor to output for Ripple & Noise measurement @ 20 mHz BW.
3. Line regulation measured from 100 Vac to 240 Vac, full load.
4. Load regulation measured from 60% to 100% full load and from 60% to 20% load (60% ± 40% full load).

Mechanical Specification



All Dimensions in Inches (mm)

Tolerance Inches: x.xxx = ±0.02
 Millimeters: x.xx = ±0.5