

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

Specification

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 mVpp
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

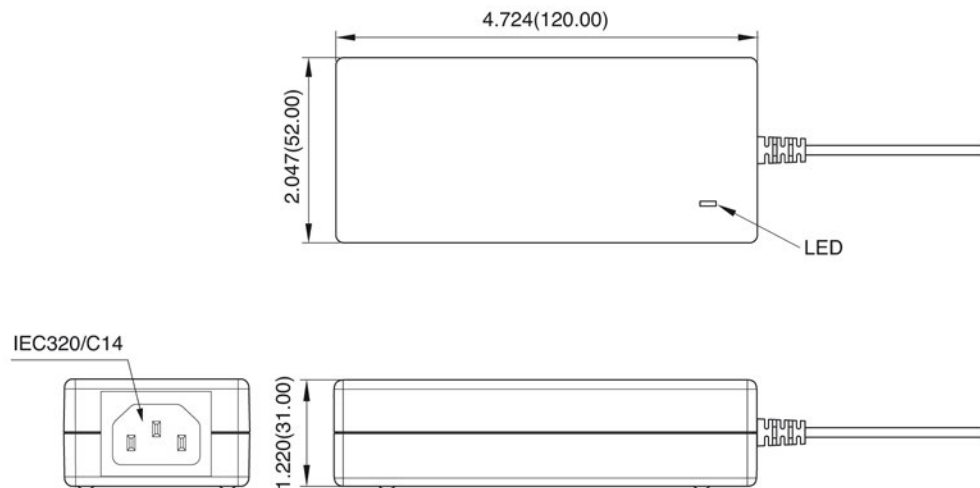
Mechanical Characteristics

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 μ F ceramic capacitor and a 10 μ F 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% \pm 40% full load).

Mechanical Specification



All Dimensions in Inches (mm)

Tolerance Inches: x.xxx= \pm 0.02
 Millimeters: x.xx= \pm 0.5