

AC Power Option

for Solid State Power Amplifiers and BUCs

AC Power Option

External Power Supply Unit

AC to DC adapter

CPI's AC to DC power supply is designed specifically for applications where the amplifier will be drawing power from an AC source.

This module is designed for use in the harshest environments, and is built to withstand the shock and vibration commonly associated with most mobile applications.

Worldwide Support

Backed by over two decades of satellite communications experience, and CPI's worldwide 24-hour customer support network that includes sixteen regional factory service centers.

Specifications

Model Number 01045797

Input

Input voltage 100-240 VAC \pm 10%
Input current max. 6.8 A/3.4 A (115/230 VAC)
Input frequency 47-440 Hz
PF degrades >63 Hz
Inrush <40 A @25°C and 230 VAC
Earth Leakage current 1.5 mA at 230 VAC (50 Hz)
PF 0.95 typical, EN61000-3-2 compliant
Efficiency 85%
Maximum cable length 5 m

Output

Voltage 48 VDC \pm 2 V
Current 10.5 A max.
Ripple and Noise 1% pk-pk in 20 MHz bandwidth
Hold up 10 ms
Max. output power = 500 W

Accessories



Environmental

Operational -40°C to 70°C, to 65°C in direct sunlight
Automatic Fan Speed Control
Non-operating -40°C to 85°C
Humidity 100% condensing
Shock 20 g, 11 ms, 1/2 sine
Vibration single axis 10 to 500 Hz
2 grms in all planes
Altitude operational -200 M to +3000 M (with adiabatic derating of 2°C per each additional 300 M)
Altitude non-operational -200 M to 5000 M

Mechanical

Size (H x W x D)
4.9 x 6.2 x 12.3 inches
125 x 158 x 313 mm
Weight
15.4 lbs. (7 kg)
Max. Distance between AC Module and SSPB
4 meters

Emissions

Radiated E Field EN55011, EN55022 Class B
FCC 47, Part 15 B
Conducted Emissions EN55011, EN55022 Class B
FCC 47, Part 15 B
Conducted Harmonics
EN61000-3-2 Class A, Class C at Full Load
Flicker EN61000-3-3

Immunity EN61000-6-2:2005

ESD EN61000-4-2 Level 2
EM EN61000-4-3 Level 3 12V/M
EFT EN61000-4-4 Level 3
Surge EN61000-4-5 Level 4
CM 4.4 kVAC, DM 2.2 kVAC
Conducted RF Immunity
EN61000-4-6 Level 3 12 V
Power Frequency Magnetic Field
EN61000-4-8 Level 4 30 A/M

Safety

EN60215
CE Mark LV Directive 2006/95/EC

Accessories

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