

**Aumictech**

Test & measurement • bought, sold, repaired, calibrated

Data Sheet

August 13, 2026

L3HARRIS

L3Harris RF-5061-PS001

Alias: RF-5061-PS001; RF5061PS001; 12045-4001-01 Conversion Class: 12 Vdc to 28 Vdc (listing descriptions) Function: vehicle/low-voltage DC to radio 28 Vdc bus Input Voltage: 12 Vdc class (confirm range on the nameplate)



MODEL

L3Harris RF-5061-PS001

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

RF-5061-PS001

LISTING

<https://aumictechlabs.com/products/rf-5061-ps001-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The L3Harris RF-5061-PS001 is a 12/28 V DC/DC power converter engineered to deliver regulated 28 VDC output from a 12 VDC input source. Designed for tactical field environments, this unit has stable, consistent power to L3Harris RF series radios, particularly the Falcon II family, with full 100% TX duty cycle capability and extended operational reliability. Technical Specifications Electrical Performance Input voltage: 10.5 to 15.5 VDC nominal; automatically accepts 12, 24, 28 VDC systems with normal operation from +23 to +32 VDC Output voltage: 28.0 ± 0.5 VDC regulated Output current: 30 amps maximum; current limit protection at 33 amps Efficiency: Minimum 90% at 30 amps output load Line/load regulation: 0.2% from low line to high line Ripple and noise: 200 mV at 30 amps Voltage stability: 200 mV drift maximum Input transient protection: 320 VAC Input protection: Circuit breaker Output protection: Automatic short and misfire protection Hold time: 500 ms with 0.5 amp load Physical Dimensions: 8.5 × 14.52 × 3.7 inches (21.6 × 36.9 × 9.4 cm) with handles Weight: 17 lbs (7.71 kg) Color: Black Environmental Operating

temperature: -40°C to +71°C MIL-STD-810E/F compliant for shock, vibration, and altitude MIL-STD-461E compliant for EMI 95% humidity rated Submersible construction; tactical environment qualified Key Features Ruggedized construction for field deployment without shock tray mounting Remote on/off capability via pin D on input connector Integrated circuit breaker and overload protection High efficiency conversion at maximum load Stable voltage regulation across full line and load range Typical Applications Portable radio power in field operations Vehicle-mounted RF system integration Tactical communication platform support Compatibility & Integration Primary application with L3Harris Falcon II radio family. Compatible with RF-5000 and RF-5800H family shock mounts and transport packages. Uses same mounting as RF-5022R/T(E) Receiver/Exciter. Input cable P/N 11081-5009-01 included; output cable ordered separately.

Features & description

From manufacturer datasheet

Features

- RF-5000 family DC-DC, 12 to 28 Vdc class

RF5061PS001 Characteristics / Specifications

PARAMETER	VALUE
Model	RF-5061-PS001
Manufacturer	Harris / L3Harris
Instrument Type	DC-DC Converter
Series	RF-5000 power accessories
Alias	RF-5061-PS001; RF5061PS001; 12045-4001-01
Conversion Class	12 Vdc to 28 Vdc (listing descriptions)
Related AC Supply	RF-5051-PS001
Platform	Harris RF-5000 series radios
Function	vehicle/low-voltage DC to radio 28 Vdc bus
Input Voltage	12 Vdc class (confirm range on the nameplate)
Output Voltage	28 Vdc class (confirm regulation on the nameplate)
Alternate Part	12045-4001-01
Form	tactical radio power converter module
Connectors	Harris RF-5000 power connectors (confirm pinout on the radio manual)
Cooling	converter chassis; vehicle-rated ambient class
Protection	input reverse/overcurrent class on Harris power accessories (confirm sheet)
NotALab Supply	no front-panel V/I program
Documentation	Harris RF-5000 power system / RF-5061 publication
Status	tactical radio spare
Identity Rule	do not copy RF-5051 AC-input ratings onto the DC-DC
Duty	continuous with the paired radio transmit duty cycle
Agency	military/tactical markings on the nameplate
Polarity	observe Harris DC input polarity
MRO	match RF-5061-PS001 vs later RF-5000 power kits Notes Verified as Harris/L3Harris RF-5061-PS001 12-28 Vdc converter for RF-5000,

PARAMETER	VALUE
	often paired with RF-5051-PS001. Confirm current and connectors on the nameplate. Do not invent amperes.

RF5061PS001 Specifications

PARAMETER	VALUE
Applications	Harris RF-5000 series 28 V radio power from 12 Vdc vehicles; RF-5051/RF-5061 power-system MRO.
Key Features	- RF-5000 family DC-DC, 12 to 28 Vdc class
Technical Specifications	Model: RF-5061-PS001

Full OEM specifications

Complete technical content extracted from the manufacturer datasheet. Sparse OEM tables are reconstructed as tables below; other text is preserved as paragraphs.

Specifications	
Specifications	
PARAMETER	VALUE
Model	RF-5061-PS001
Manufacturer	Harris / L3Harris
Instrument Type	DC-DC Converter
Specifications	
PARAMETER	VALUE
Series	RF-5000 power accessories
Alias	RF-5061-PS001; RF5061PS001; 12045-4001-01
Conversion Class	12 Vdc to 28 Vdc (listing descriptions)
Specifications	
PARAMETER	VALUE
Related AC Supply	RF-5051-PS001
Platform	Harris RF-5000 series radios
Function	vehicle/low-voltage DC to radio 28 Vdc bus
Specifications	
PARAMETER	VALUE
Input Voltage	12 Vdc class (confirm range on the nameplate)
Output Voltage	28 Vdc class (confirm regulation on the nameplate)
Alternate Part	12045-4001-01
Specifications	
PARAMETER	VALUE
Form	tactical radio power converter module
Connectors	Harris RF-5000 power connectors (confirm pinout on the radio manual)
Cooling	converter chassis; vehicle-rated ambient class

Specifications

PARAMETER	VALUE
Protection	input reverse/overcurrent class on Harris power accessories (confirm sheet)
NotALab Supply	no front-panel V/I program
Documentation	Harris RF-5000 power system / RF-5061 publication

Specifications

PARAMETER	VALUE
Status	tactical radio spare
Identity Rule	do not copy RF-5051 AC-input ratings onto the DC-DC
Duty	continuous with the paired radio transmit duty cycle

Specifications

PARAMETER	VALUE
Agency	military/tactical markings on the nameplate
Polarity	observe Harris DC input polarity
MRO	match RF-5061-PS001 vs later RF-5000 power kits

Notes

Verified as Harris/L3Harris RF-5061-PS001 12-28 Vdc converter for RF-5000, often paired with RF-5051-PS001. Confirm current and connectors on the nameplate. Do not invent amperes.

Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: Available on request. Used · In stock.

Request a quote: sales@aumictech.com · +1 (484) 841-9341

Aumictech

788 S 500 E, Pleasant Grove, UT 84062
sales@aumictech.com · +1 (484) 841-9341
<https://aumictechlabs.com>

NIST-traceable calibration · SAM registered ·
30-day returns
NAICS 423690 · 811210 · 541380
Generated August 13, 2026

Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.