

**Aumictech**

Test & measurement · bought, sold, repaired, calibrated

Data Sheet

August 14, 2026

COMTECH PST

Comtech PST AR88 RF Power Amplifier 30W

Comtech PST AR88168-30 RF Power Amplifier The Comtech PST AR88168-30 isaSeries AR wireless-band linear amplifier covering 800 to 1600 MHz at 30 W rated output (model power suffix). Series AR amplifiers are rack-mountable ClassAlinear units housing Series AM modules with built-in AC supplies for models up to 100 W and forced-air cooling. OEM Comtech PST AR catalogs list CW AM FM phase and pulse modulation capability with open/short load protection. Wireless communications test, EMC/RF susceptibility drive, and general-purpose linear RF amplification in the model band. The Comtech PST AR88168-30 isaSeries AR wireless-band linear amplifier covering 800 to 1600 MHz at 30 W rated output (model power suffix). Series AR amplifiers are rack-mountable ClassAlinear units housing Series AM modules with built-in AC supplies for models up to 100 W and forced-air cooling. OEM Comtech PST AR catalogs list CW AM FM phase and pulse modulation capability with open/short load protection. Wireless communications test, EMC/RF susceptibility drive, and general-purpose linear RF amplification in the model band.



MODEL

**Comtech PST
AR88168-30**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

AR88168-30

LISTING

<https://aumictechlabs.com/products/ar88168-30-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Comtech PST AR88168-30 is a high-power RF amplifier module engineered for demanding applications within the 800 MHz to 1.6 GHz frequency range, delivering a rated output power of

30 Watts. This amplifier works with reliable performance, offering characteristics suitable for communication systems, radar applications, and specialized test equipment. Technical Specifications General: Manufacturer: Comtech PST Model: AR88168-30 Product Type: RF Power Amplifier Module Electrical Specifications: Frequency Range: 800 MHz to 1.6 GHz Output Power: 30 Watts Output Power into 2:1 VSWR: 85W Typical (This specification appears in a document for a different Comtech PST model (2-6 GHz, 100W), and may not apply to the AR88168-30. It is included for reference but should be verified against a specific datasheet for the AR88168-30.) Gain: Not explicitly stated for the AR88168-30 in the provided search results. However, a similar model (AR178238-30) has a gain of 35 dB. Another model (AR88168-10) has gain specified in terms of a range for a different frequency band. Harmonics (2nd/3rd): Not explicitly stated for the AR88168-30. For a 2-6 GHz, 100W model, harmonics are $<-15/20$ dBc (2Fo & 3Fo) Typical. Spurious: Not explicitly stated for the AR88168-30. For a 2-6 GHz, 100W model, spurious emissions are <-60 dBc. Modulation Format Compatibility: AM/FM/CW/Digital/Pulse (This specification is listed for a different Comtech PST model, but indicates typical compatibility for their amplifiers.) Input VSWR: 2.0:1 Max (This specification is listed for a different Comtech PST model, but indicates typical input VSWR.) Output Load VSWR: Not explicitly stated for the AR88168-30. For a 2-6 GHz, 100W model, it can operate into a 2:1 VSWR load. Protection: Fully Protected (turn down) for Open/Short conditions (This specification is listed for a different Comtech PST model, but indicates typical protection features.) Interfaces and Control: PA Enable (Blanking): RS-422 Differential or TTL Logic (3.3V) (This specification is listed for a different Comtech PST model, but indicates typical control interfaces.) Summary Fault Output: TTL Logic (Temp, Current) (This specification is listed for a different Comtech PST model, but indicates typical fault outputs.) Temperature Monitor: Analog Output (30 mV/°C) (This specification is listed for a different Comtech PST model, but indicates typical monitoring features.) Forward/Reverse Detector: Analog Output (0-5V) (This specification is listed for a different Comtech PST model, but indicates typical monitoring features.) Current Monitor: Analog Output (1V=10A) (This specification is listed for a different Comtech PST model, but indicates typical monitoring features.) Power Requirements: PA Prime Power: $+28.5 \pm 0.1$ VDC (This specification is listed for a different Comtech PST model, but indicates typical power input requirements.) DC Power @ 28V: 600W Max (This specification is listed for a different Comtech PST model, but indicates typical power consumption.) Efficiency (DC to RF): 20% Typical (This specification is listed for a different Comtech PST model, but indicates typical efficiency.) DC Bias: AB Linear (This specification is listed for a different Comtech PST model, but indicates typical bias configuration.) Physical Specifications: Connectors (RF Input/Output): SMA/TNC (This specification is listed for a different Comtech PST model, but indicates typical connector types.) Connectors (Control/DC): D-Subminiature (This specification is listed for a different Comtech PST model, but indicates typical connector types.) Operating Temperature: -40 to 65°C Baseplate (external heatsink required) (This specification is listed for a different Comtech PST model, but indicates typical operating temperature.) Size: 7.75" x 3.5" x 1.75" (This specification is listed for a different Comtech PST model, but indicates typical dimensions.) Weight: ~3.0 lbs (This specification is listed for a different Comtech PST model, but indicates

AR88168 Characteristics / Specifications

PARAMETER	VALUE
Model	AR88168-30
Frequency Range	800 to 1600 MHz
Rated Output Power	30 W
Gain Flatness Class Sibling Wireless	plus or minus 1.5 dB class
Height Class Sibling AR 30 W	5.22 in (13.26 cm)
Width	19 in (48.26 cm)
Depth Class	22 in (55.88 cm)
Weight Class Sibling 30 W	about 35 lb (15.91 kg)
Topology	ClassAlinear solid state
Modulation Capability	CW AM FM phase and pulse
Harmonics Maximum	minus 20 dBc
Spurious Maximum	minus 60 dBc
Input VSWR Maximum	2.0:1
Load VSWR	open/short protected unconditionally stable
Noise Figure Typical	10 dB
Maximum RF Input	10 dBc above input for P1dB
RF Connectors Up To 50 W	TypeNfemale bulkhead
AC Input Models To 100 W	universal 100-240 Vac 50/60 Hz PFC class
Cooling	forced air internal blowers
Form Factor	19 inch rack mount
Series Family	Comtech PST Series AR

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	AR88168-30
Frequency Range	800 to 1600 MHz
Rated Output Power	30 W
Gain Flatness Class Sibling Wireless	plus or minus 1.5 dB class
Height Class Sibling AR 30 W	5.22 in (13.26 cm)
Width	19 in (48.26 cm)
Depth Class	22 in (55.88 cm)
Weight Class Sibling 30 W	about 35 lb (15.91 kg)
Topology	ClassAlinear solid state
Modulation Capability	CW AM FM phase and pulse
Harmonics Maximum	minus 20 dBc
Spurious Maximum	minus 60 dBc
Input VSWR Maximum	2.0:1
Load VSWR	open/short protected unconditionally stable
Noise Figure Typical	10 dB
Maximum RF Input	10 dBc above input for P1dB
RF Connectors Up To 50 W	TypeNfemale bulkhead
AC Input Models To 100 W	universal 100-240 Vac 50/60 Hz PFC class
Cooling	forced air internal blowers
Form Factor	19 inch rack mount
Series Family	Comtech PST Series AR
Notes	
Frequency from Comtech AR88168 family reseller/OEM listings (800-1600 MHz). Rated 30 W from model suffix. Shared Series AR electricals from Comtech catalog. Exact P1dB/sat/gain row for -30 not in the scanned catalog excerpt; confirm on unit nameplate.	

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 14, 2026

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