

**Aumictech**

Test & measurement · bought, sold, repaired, calibrated

Data Sheet

August 14, 2026

COMTECH PST

Comtech PST AR4819 RF Power Amplifier 25W

The Comtech PST AR4819-25 is a 400 to 1000 MHz ClassA rack amplifier rated 25 W at P1dB. Series AR amplifiers are rack-mountable ClassA linear 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. Modulation Capability: CW AM FM phase and pulse Maximum RF Input: 10 dBc above input for P1dB RF Connectors Up To 50 W: Type N female bulkhead AC Input Models To 100 W: universal 100-240 Vac 50/60 Hz PFC class From Comtech PST Series AR general-purpose linear amplifier OEM table for AR4819-25.



MODEL

**Comtech PST
AR4819-25**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

AR4819-25

LISTING

<https://aumictechlabs.com/products/ar4819-25-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Comtech PST AR4819-25 is a rack-mountable RF amplifier module designed for solid and reliable signal amplification in demanding communication and radar systems. Engineered for optimal performance and durability, this amplifier operates within a specified frequency range and delivers significant power output. Its design incorporates a universal AC power supply and forced-air cooling, ensuring consistent operation. The AR4819-25 is part of Comtech PST's line of solid-state power amplifiers, known for their versatility and reliability. Technical Specifications * Model:

AR4819-25 Frequency Range: 400 MHz - 1.00 GHz Rated Power Output: 25.0 W Gain: 44.0 dB (at P1dB) P1dB (Saturated Power): 30 dB Harmonics: -20 dBc (Maximum) Spurious: -60 dBc (Maximum) Input VSWR: 2.0:1 (Maximum) RF Input Signals: Capable of handling CW, AM, FM, Phase, and Pulse Modulation. Electrical * Power Supply: Built-in universal AC power supply (integrated into the rack-mountable cabinet for models up to 100 watts). Physical * Form Factor: Rack-mountable unit. Cooling: Forced-air cooling via integrated blowers. Dimensions (H x W x L): * Height: 5.22 inches (13.26 cm) * Width: 19.0 inches (48.26 cm) * Length: 22.0 inches (55.88 cm) Weight: 35 lbs (15.91 kg) Interfaces and Control * Optional Interfaces: ARD versions are available with an optional IEEE BUS for remote control and monitoring. Other digital interfaces such as Ethernet and RS232 may also be available as options. Compatibility * Modulation Types: Suitable for CW, AM, FM, Phase, and Pulse Modulation. Applications: Engineered for demanding communication and radar systems. Manufacturing and Quality * Quality Standards: Comtech PST Corporation is an ISO9001:2000-certified company, emphasizing a commitment to consistent and reliable product quality throughout design, manufacture, and testing. Why Choose Aumictech for Comtech PST AR4819-25? At Aumictech, we specialize in supplying high-end RF amplifier equipment. Whether you need solid amplification for communication systems, reliable performance for radar applications, or durable components for demanding laboratory environments, our team ensures the Comtech PST AR4819-25 delivers maximum performance for your application.

AR4819 Characteristics / Specifications

PARAMETER	VALUE
Model	AR4819-25
Frequency Range	400 to 1000 MHz
Output Power P1dB	25 W
Saturated Power	40 W
Gain At Rated Power Minimum	44 dB
Gain Flatness	plus or minus 1.0 dB
Line Power	615 VA
Height	5.25 in (13.3 cm)
Width	19 in (48.3 cm)
Depth	22 in (55.9 cm)
Weight	30 lb (14 kg)
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

AR4819 Specifications

PARAMETER	VALUE
Open/short circuit load protection	Optional IEEE-488 ARD remote variants
Technical Specifications	Model: AR4819-25
Notes	From Comtech PST Series AR general-purpose linear amplifier OEM table for AR4819-25.

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	AR4819-25
Frequency Range	400 to 1000 MHz
Output Power P1dB	25 W
Saturated Power	40 W
Gain At Rated Power Minimum	44 dB
Gain Flatness	plus or minus 1.0 dB
Line Power	615 VA
Height	5.25 in (13.3 cm)
Width	19 in (48.3 cm)
Depth	22 in (55.9 cm)
Weight	30 lb (14 kg)
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	
From Comtech PST Series AR general-purpose linear amplifier OEM table for AR4819-25.	

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.