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Data Sheet

August 15, 2026

COMTECH PST

Comtech PST AR1819 RF Power Amplifier 25W

Comtech PST AR1819-25 RF Power Amplifier 25 W The Comtech PST AR1819-25 is an RF power amplifier rated 25 W in the AR1819 family. OEM AR1819 listings describe a solid-state RF amplifier for EMC, communications, and laboratory RF drive. 25 W RF drive for EMC, communications, and laboratory amplifiers in the Comtech PST AR1819 family. AR1819 RF power amplifier 25 W class Comtech PST Solid state RF EMC and communications drive Laboratory RF amplifier The Comtech PST AR1819-25 is an RF power amplifier rated 25 W in the AR1819 family. OEM AR1819 listings describe a solid-state RF amplifier for EMC, communications, and laboratory RF drive. 25 W RF drive for EMC, communications, and laboratory amplifiers in the Comtech PST AR1819 family. AR1819 RF power amplifier 25 W class Comtech PST Solid state RF EMC and communications drive Laboratory RF amplifier Literature: Comtech PST AR1819 RF power amplifier 25 W listings



MODEL

**Comtech PST
AR1819-25**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

AR1819-25

LISTING

<https://aumictechlabs.com/products/ar1819-25-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Comtech PST AR1819-25 is a solid-state RF amplifier module designed for high-frequency applications. It operates within the 18 to 19 GHz frequency range and is engineered to deliver a stable output power of 25 watts. This amplifier module is suitable for demanding environments and critical systems, including satellite communications, radar installations, and sophisticated test

and measurement equipment. Technical Specifications General Features Product Name: Comtech PST AR1819-25 Manufacturer: Comtech PST Product Type: Solid-State RF Amplifier Module Core Technology: Solid-state RF power amplification Electrical Specifications Frequency Range: 18 to 19 GHz Output Power: 25 Watts Power Supply: Not specified in available documentation. Series AR amplifiers (which may incorporate Series AM amplifiers) typically feature a universal AC power supply for models up to 100 watts, and are often designed for operation with +28V or +270V DC input. Performance Characteristics Gain: Specific gain figures are not available for the AR1819-25 model in the provided search results. However, Comtech PST amplifiers in similar series (e.g., AM and AR) offer gains ranging from 10 dB min to over 50 dB min, depending on the specific model and frequency band. 1 dB Compression Point (P1dB): Not specified for the AR1819-25 model. Other Comtech PST Series AM amplifiers are specified with output power at 1 dB compression ranging from 2 to 100 Watts. Harmonic Distortion: Not specified for the AR1819-25 model. Some Comtech PST GaN-based amplifiers feature low harmonic distortion. Efficiency: Not specified. Interfaces and Control Remote Control: Not specified for the AR1819-25. However, Comtech PST Series AR amplifier models offer an optional IEEE BUS for remote control and monitoring (ARD version). Connectors: Not specified in available documentation. RF amplifiers typically utilize standard RF connectors such as SMA, N-type, or TNC, depending on power and frequency requirements. Physical Characteristics Dimensions: Not specified for the AR1819-25 model. Comtech PST offers amplifier modules and rack-mountable units in various sizes. For example, some solid-state power amplifier modules (e.g., BME69189-100) are described as small form factor (SFF). Weight: Not specified. Cooling: Not specified for the AR1819-25. However, Comtech PST Series AR amplifiers are typically forced-air cooled by built-in blowers. Environmental Considerations Operating Temperature: Not specified. Storage Temperature: Not specified. Humidity: Not specified. Vibration/Shock: Not specified. Comtech PST products are often designed for rugged applications in military and aerospace sectors. Applications Satellite Communications Radar Systems Test and Measurement Equipment Electronic Warfare (EW) systems TWT/MPM Replacement RFI/EMC testing Radio Transmitters General Laboratory Testing Certifications and Compliance ISO 9001: Comtech PST Corp. is an ISO 9001:2000-certified company. CE Compliant: Some Comtech PST models are CE compliant. MIL-STD-461 RS103, RTCA/DO-160 Section 20: Some models meet these standards. Why Choose Aumictech for Comtech PST AR1819-25? At Aumictech, we specialize in supplying high-end RF and microwave components. Whether you need a 18-19 GHz amplifier for satellite communications, a solid 25-watt output solution for radar systems, or a reliable module for advanced test equipment, our team ensures the Comtech PST AR1819-25 delivers maximum performance for your application.

AR1819 Characteristics / Specifications

PARAMETER	VALUE
Model	AR1819-25
Base Model	AR1819
Instrument Type	RF power amplifier
Power Class	25 W
Manufacturer	Comtech PST
Literature	Comtech PST AR1819 RF power amplifier 25 W listings
Family	Comtech PST AR RF amplifiers
Brand Lineage	Comtech PST
Form Factor	RF power amplifier
System Role	25 W RF drive
Use Case	EMC/communications RF amplification
Documentation Type	OEM AR1819-25 listing
Year Class	AR1819
Application Class	RF power
Vendor Path	Comtech PST
Related Bhe27	BHE2758-200 200 W high power amplifier
Documentation Class	OEM AR1819 catalog
Control Class	RF amplifier
Companion Role	Comtech PST amplifier family
Operating Mode	RF power amplification
Instrument Class	RF amplifier
Frequency Class	per AR1819 data sheet
Gain Class	per AR1819 data sheet
Connector Class	per AR1819 data sheet
Cooling Class	RF amplifier cooling

PARAMETER	VALUE
Enclosure Class	AR1819 chassis
Input Class	RF drive
Output Class	25 W RF
VsWR Class	per AR1819 data sheet

AR1819 Specifications

PARAMETER	VALUE
Applications	25 W RF drive for EMC, communications, and laboratory amplifiers in the Comtech PST AR1819 family.
Key Features	AR1819 RF power amplifier
Technical Specifications	Model: AR1819-25
Notes	From Comtech PST AR1819-25 listings (RF power amplifier 25 W). Frequency range, gain, and connectors are on the AR1819 data sheet.

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	
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PARAMETER	VALUE
Model	AR1819-25
Base Model	AR1819
Instrument Type	RF power amplifier
Power Class	25 W
Manufacturer	Comtech PST
Literature	Comtech PST AR1819 RF power amplifier 25 W listings
Family	Comtech PST AR RF amplifiers
Brand Lineage	Comtech PST
Form Factor	RF power amplifier
System Role	25 W RF drive
Use Case	EMC/communications RF amplification
Documentation Type	OEM AR1819-25 listing
Year Class	AR1819
Application Class	RF power
Vendor Path	Comtech PST
Related Bhe2758	BHE2758-200 200 W high power amplifier
Documentation Class	OEM AR1819 catalog
Control Class	RF amplifier
Companion Role	Comtech PST amplifier family
Operating Mode	RF power amplification
Instrument Class	RF amplifier
Frequency Class	per AR1819 data sheet
Gain Class	per AR1819 data sheet
Connector Class	per AR1819 data sheet
Cooling Class	RF amplifier cooling
Enclosure Class	AR1819 chassis

PARAMETER	VALUE
Input Class	RF drive
Output Class	25 W RF
VsWR Class	per AR1819 data sheet

Notes
From Comtech PST AR1819-25 listings (RF power amplifier 25 W). Frequency range, gain, and connectors are on the AR1819 data sheet.

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

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NIST-traceable calibration · SAM registered ·
30-day returns
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Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.