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Data Sheet

August 14, 2026

COMTECH PST

Comtech PST AR1929 RF Power Amplifier 10W

The Comtech PST AR1929-10 is a 1000 to 2000 MHz ClassA rack amplifier rated 10 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: TypeN female bulkhead AC Input Models To 100 W: universal 100-240 Vac 50/60 Hz PFC class From Comtech PST Series AR OEM table for AR1929-10. User-requested model; write even if not currently on no-doc queue.



MODEL

**Comtech PST
AR1929-10**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

AR1929-10

LISTING

<https://aumictechlabs.com/products/ar1929-10-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Comtech PST AR1929-10 is a solid-state RF power amplifier designed for high-power amplification applications. This amplifier operates within the 1 GHz to 2 GHz frequency range, delivering a minimum output power of 10 watts. It is part of the AR Series, which features rack-mountable units with integrated power supplies for models up to 100 watts. The amplifier is forced-air cooled, ensuring reliable operation. It supports various modulation formats, including

CW, FM, AM, and pulse/phase modulation. The Comtech PST AR1929-10 is suitable for use in communication systems, radar systems, and other RF applications requiring solid signal amplification. Technical Specifications Electrical Characteristics Model Name: Comtech PST AR1929-10 Product Type: Solid State RF Power Amplifier Frequency Range: 1 GHz to 2 GHz (1000 MHz - 2000 MHz) Output Power: 10 Watts Small Signal Gain: > 40 dB Small Signal Gain Flatness: ± 1.0 dB Noise Figure: 10 dB typical Harmonics: -20 dBc (also listed as -20 dBc) Spurious Signals: -60 dBc (also listed as -60 dBc) Input VSWR: 2:1 Output Load VSWR: Unconditionally stable, open or short-circuit protected Input Overdrive: 10 dB above 1 dB compression RF Input Signals: CW, FM, AM, Pulse/phase modulation AC Input: Universal AC input (for models up to 100 watts) Interfaces RF In/Out Connector: Type N, female * For models up to 50 W: Type N, female bulkhead front panel mounted * For models > 50 W: Type N, female bulkhead rear panel mounted Physical Characteristics Cooling: Forced-air cooled by built-in blowers Form Factor: Rack-mountable unit Dimensions: 5.25 inches (Height) Weight: 60 lbs System Features Remote Control: Optional IEEE BUS for remote control and monitoring (ARD version) Protection: Load VSWR, Thermal Overload, Input Overdrive, Graceful Degradation, Over voltage, Under voltage, Over current Environmental Standards: * Shock/Vibration: MIL-STD-810G * Humidity: 95% Non-condensing * Altitude: 10,000 Feet * Operating Temperature: -10 to 50°C Compatibility Modulation Formats Supported: CW, FM, AM, Pulse/phase modulation Documentation Available Documentation: Instruction Manual for RF Power Amplifier, Model No. AR1929-100 Why Choose Aumictech for Comtech PST AR1929-10? At Aumictech, we specialize in supplying high-end RF power amplifiers. Whether you need reliable signal amplification for communication systems, solid power output for radar applications, or critical signal gain for laboratory testing, our team ensures the Comtech PST AR1929-10 delivers maximum performance for your application.

AR1929 Characteristics / Specifications

PARAMETER	VALUE
Model	AR1929-10
Frequency Range	1000 to 2000 MHz
Output Power P1dB	10 W
Saturated Power	13 W
Gain At Rated Power Minimum	40 dB
Gain Flatness	plus or minus 1.0 dB
Line Power	185 VA
Height	5.25 in (13.3 cm)
Width	19 in (48.3 cm)
Depth	22 in (55.9 cm)
Weight	25 lb (11 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

AR1929 Specifications

PARAMETER	VALUE
Open/short circuit load protection	Optional IEEE-488 ARD remote variants
Technical Specifications	Model: AR1929-10
Notes	From Comtech PST Series AR OEM table for AR1929-10. User-requested model; write even if not currently on no-doc queue.

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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From Comtech PST Series AR OEM table for AR1929-10. User-requested model; write even if not currently on no-doc queue.	

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.