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Data Sheet

August 15, 2026

HUGHES

Hughes 9400 Traveling Wave Tube Amplifier

Hughes Quarterwave 9400 Series Traveling Wave Tube Amplifier The Hughes/Quarterwave 9400 series is a family of 19-inch rack CW TWTAs from 20 to 100 W class. OEM Quarterwave 9400 table lists octave and broadband rows such as 3-6 GHz 100 W, 4-8 GHz 40/80 W, 8-12 GHz 40/80 W, 12-18 GHz 40/80 W, 2-8 GHz 50 W, 4-18 GHz 25 W, 8-18 GHz 25/60 W, 6-18 GHz 25/50 W, plus narrow-band 8.0 GHz 120 W and 18 GHz 60 W. Package 3.5 or 5.25 inHx 17 inWx 17 in D, 35 lb, RS-232 control, 120/240 VAC 50-400 Hz, forced-air cooling. Example 9400/94400-H80J18: 8-18 GHz, 25 W CW, 55 dB gain, 50-55 dBc spurious. Example 9400/94000-K26K40: 26.5-40 GHz, 10 W, 40 dB gain. The Hughes/Quarterwave 9400 series is a family of 19-inch rack CW TWTAs from 20 to 100 W class. OEM Quarterwave 9400 table lists octave and broadband rows such as 3-6 GHz 100 W, 4-8 GHz 40/80 W, 8-12 GHz 40/80 W, 12-18 GHz 40/80 W, 2-8 GHz 50 W, 4-18 GHz 25 W, 8-18 GHz 25/60 W, 6-18 GHz 25/50 W, plus narrow-band 8.0 GHz 120 W and 18 GHz 60 W. Package 3.5 or 5.25 inHx 17 inWx 17 in D, 35 lb, RS-232 control, 120/240 VAC 50-400 Hz, forced-air cooling. Example 9400/94400-H80J18: 8-18 GHz, 25 W CW, 55 dB gain, 50-55 dBc spurious. Example 9400/94000-K26K40: 26.5-40 GHz, 10 W, 40 dB gain. CW microwave power for EMC, EW, and communications in 1-40 GHz TWT bands.



MODEL

Hughes 9400

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

9400

LISTING

<https://aumictechlabs.com/products/9400-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Hughes 9400 is a satellite terminal engineered for superior performance and reliability. Its compact and lightweight design makes it highly portable and easy to deploy in diverse environments. Offering global connectivity, the Hughes 9400 delivers dependable internet and voice services, ensuring seamless communication in remote and challenging locations. Perfect for emergency response teams, remote offices, and mobile professionals, this terminal provides the connectivity needed to stay connected and productive.

9400 Characteristics / Specifications

PARAMETER	VALUE
Model	9400
Instrument Type	Traveling-wave-tube amplifier family
Package Height	3.5 in or 5.25 in
Package Width	17 in
Package Depth	17 in
Mass	35 lb
Ac Input	120/240 VAC 50-400 Hz
Control	RS-232; IEEE-488 overlay available
Cooling	self-contained forced air
Example Eight Eighteen	9400/94400-H80J18 8 to 18 GHz 25 W CW 55 dB gain
Example Ka	9400/94000-K26K40 26.5 to 40 GHz 10 W 40 dB gain
Octave Three Six	3 to 6 GHz 100 W (9400/95000-F30H60)
Broadband Two Eight	2 to 8 GHz 50 W
Broadband Four Eighteen	4 to 18 GHz 25 W
Spurious Class	50 to 55 dBc on H80J18 row
Displays	Power, Warmup, Timer, Operate, Fault, VSWR, Temp
Monitors	heater V/I, collector V/I, cathode V/I, warmup time
Manufacturer	Hughes / Quarterwave Corporation
Literature	Quarterwave 9400 series CW TWTA table
Form Factor	19-inch rack TWTA
Application Class	EMC EW communications microwave power
System Role	CW TWT power amplifier
Use Case	1 to 40 GHz banded TWT power
Documentation Type	OEM 9400 series table
Duty	CW / pulsed 100 percent class on listed rows

9400 Specifications

PARAMETER	VALUE
Applications	CW microwave power for EMC, EW, and communications in 1-40 GHz TWT bands.
Key Features	20 to 100 W class CW TWTA family
Technical Specifications	Model: 9400

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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Mass	35 lb
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Broadband Four Eighteen	4 to 18 GHz 25 W
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Notes

From Quarterwave 9400 series CW TWTa table (package 3.5/5.25x17x17 in, 35 lb, 120/240 VAC 50-400 Hz, RS-232, band/power rows including 8-18 GHz 25 W and 26.5-40 GHz 10 W). Confirm the installed 9400/94xxx dash band and watts on the 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

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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.