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Data Sheet

August 8, 2026

JDS UNIPHASE/JDSU

JDS Uniphase HA027+20ASU1 Optical Attenuator

JDSU HA

The JDS Uniphase HA027+20ASU1 is an optical attenuator designed to reduce the power of an optical signal without significantly distorting the signal. It is suitable for use in various optical communication systems and testing applications.



MODEL

**JDS
Uniphase/JDSU
HA027+20ASU1**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

HA027+20ASU1

LISTING

<https://aumictechlabs.com/products/ha027-20asu1-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The JDS Uniphase HA027+20ASU1 is a programmable optical attenuator that delivers precise, stable reduction of optical signal power across telecommunications and test wavelengths. It combines a wide 100 dB attenuation range with 0.01 dB resolution and ± 0.1 dB accuracy, making it suitable for power meter calibration, BER testing, system characterization, and laboratory measurements where signal level control must be both accurate and repeatable. Technical Specifications Attenuation Range: Up to 100 dB Resolution: 0.01 dB nominal Accuracy: ± 0.1 dB Repeatability: 0.01 dB Wavelength Range: 1200–1700 nm (standard); optional 750–1700 nm available (60 dB range) Wavelength Dependence: 60 dB Insertion Loss: ~ 1.53 dB at 1550 nm (0 dB attenuation setting, including connector loss) Fiber Type: Single-mode 9/125 μ m Connectors:

SC/APC Key Features SCPI/HP8156A-compatible command set for instrument integration Dual remote control interfaces: GPIB (IEEE 488.2) and RS232 Front-panel keypad control Built-in beam block for rapid infinite attenuation (>90 dB) Minimal cavity effects and discrete internal reflections <60 dB Class 1 instrument with CE, UL3101-1, and CAN/CSA-C22.2 No. 1010.1 compliance Typical Applications Optical power meter linearity verification Bit error rate (BER) characterization Loss simulation in fiber-optic links EDFA output power assessment Amplifier and DWDM system testing Analog transmission and multichannel AM evaluation High bit-rate PCM and CATV AM systems Compatibility & Integration Optional couplers (2/98, 10/90, 30/70, 50/50) and 1:2 switches can be integrated. When a switch is installed, the 5V output may not be externally available.

Features & description

From manufacturer datasheet

Features

- Family: HA2 (high power, wavelength flat); model HA027
- Wavelength: 1280–1670 nm class (HA2 table)
- Attenuation: 50 dB; resolution 0.01 dB; change <1.5 s
- Accuracy: ± 0.1 dB
- Max optical input: 1000 mW (1 W / 30 dBm class)
- Wavelength dependence: ± 0.05 dB (0–20 dB); ± 0.10 dB (20–30 dB) class
- RL: analog (A) >60 dB class
- Connectors: SC/APC (SU); front bulkheads (1)
- GPIB + RS-232; SCPI; beam block >90 dB

HA02720ASU1 Characteristics / Specifications

PARAMETER	VALUE
Model	HA027+20ASU1
Manufacturer	JDS Uniphase (JDSU / VIAVI)
Instrument Type	High-Power Programmable Optical Attenuator
Family	HA2 (high power, wavelength flat); model HA027
Alias	HA027+20ASU1; HA027 Optical 1280–1670 nm; 50 dB; 1 W max; SC/APC analog RL Operational Notes Prefer JDS HA Series specifications for HA2 column. Do not confuse with HA9 100 dB / 200 mW class.
Wavelength	1280–1670 nm class (HA2 table)
Attenuation	50 dB; resolution 0.01 dB; change <1.5 s
Accuracy	±0.1 dB
Max optical input	1000 mW (1 W / 30 dBm class)
Wavelength dependence	±0.05 dB (0–20 dB); ±0.10 dB (20–30 dB) class
Connectors	SC/APC (SU); front bulkheads (1)

HA02720ASU1 Specifications

PARAMETER	VALUE
Key Features	- Family: HA2 (high power, wavelength flat); model HA027
Technical Specifications	Model: HA027+20ASU1
Optical	1280–1670 nm; 50 dB; 1 W max; SC/APC analog RL
Operational Notes	Prefer JDS HA Series specifications for HA2 column. Do not confuse with HA9 100 dB / 200 mW class.

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	HA027+20ASU1
Manufacturer	JDS Uniphase (JDSU / VIAVI)
Instrument Type	High-Power Programmable Optical Attenuator
Family	HA2 Series
Alias	HA027+20ASU1; HA027

Optical

1280–1670 nm; 50 dB; 1 W max; SC/APC analog RL

Operational Notes

Prefer JDS HA Series specifications for HA2 column. Do not confuse with HA9 100 dB / 200 mW class.

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