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Data Sheet

August 13, 2026

HP / AGILENT

HP / Agilent 81567A Variable Optical Attenuator Modules

HP / Agilent 81567A Variable Optical Attenuator with Power Control Angled The Agilent/HP 81567A is a dual-slot VOA with integrated power-control feedback for the 8163/8164/8166 Lightwave platforms. Angled versatile connector on 9/125 μm SMF28, 1250 to 1650 nm, 0 to 60 dB attenuation at 0.001 dB resolution. A monitor tap and photodiode close the loop so absolute output power can be set after reference-meter calibration. Maximum input +22 dBm. EDFA and single-channel power leveling; BER stimulus control; absolute output setting after calibration; dual-slot VOA with power control in angled-fiber plants. The Agilent/HP 81567A is a dual-slot VOA with integrated power-control feedback for the 8163/8164/8166 Lightwave platforms. Angled versatile connector on 9/125 μm SMF28, 1250 to 1650 nm, 0 to 60 dB attenuation at 0.001 dB resolution. A monitor tap and photodiode close the loop so absolute output power can be set after reference-meter calibration. Maximum input +22 dBm. EDFA and single-channel power leveling; BER stimulus control; absolute output setting after calibration; dual-slot VOA with power control in angled-fiber plants.



MODEL

**HP / Agilent
81567A**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

81567A

LISTING

<https://aumictechlabs.com/products/81567a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The HP/Agilent 81567A is a dual-slot variable optical attenuator module that delivers precise attenuation control across the 1200–1700 nm wavelength range. Engineered for integration into Agilent's Lightwave Multichannel platform, this module combines wide dynamic range attenuation (0–60 dB) with sub-millidecibel resolution and exceptional repeatability. An internal photodiode and monitor tap enable active power control, maintaining stable output levels despite input power variations. The integrated shutter provides channel drop simulation and optical isolation up to 100 dB, while single-mode fiber compatibility and low insertion loss (typically 2.2 dB) ensure minimal signal degradation in telecommunications and data communications test environments. Settles in 100–300 ms with ± 0.01 dB repeatability and ± 0.1 dB accuracy across the full attenuation range.

Features & description

From manufacturer datasheet

Features

- Dual-slot module with active power control mode
- Angled connector interface (straight sibling is 81566A)
- Relative power meter uncertainty plus/minus 0.03 dB plus/minus 20 pW
- Integrated shutter
- Automatic correction of input power changes in power-control mode

Polarization Dependent Loss: less than 0.08 dBpp

Return Loss Typical Angled: 60 dB Maximum Input Power: +22 dBm (exposure time less than 2 h)

Shutter Isolation Typical: 100 dB Dimensions: 75 mm x 64 mm x 335 mm Net Weight: 1.3 kg

Recommended Recalibration Period: 2 years Operating Temperature: 10 C to 45 C Warmup Time: 30

minutes Humidity: noncondensing Mainframe Compatibility: 8163A/B 8164A/B 8166A/B Related Straight

Sibling: 81566A Related High Power Power Control: 81576A / 81577A Alias: HP 81567A; Agilent 81567A;

Keysight 81567A Notes Rows from Agilent 8156xA/8157xA Optical Attenuators technical specifications (5988-2696EN). Absolute power accuracy depends on the reference power meter used for calibration.

81567A Characteristics / Specifications

PARAMETER	VALUE
Model	81567A
Manufacturer	Hewlett Packard / Agilent / Keysight
Instrument Type	Variable optical attenuator module with power control
Slot Width	dual slot
Connectivity	angled connector versatile interface
Fiber Type	9/125 um SMF28
Wavelength Range	1250 nm to 1650 nm
Attenuation Range	0 to 60 dB
Resolution	0.001 dB
Repeatability Attenuation Setting	plus/minus 0.01 dB
Repeatability Power Setting	plus/minus 0.015 dB
Accuracy Uncertainty	plus/minus 0.1 dB (1550 nm plus/minus 15 nm; input power less than or equal to +10 dBm)
Settling Time Attenuation Typical	100 ms
Settling Time Power Typical	300 ms
Relative Power Meter Uncertainty	plus/minus 0.03 dB plus/minus 20 pW
Insertion Loss Typical	2.2 dB (1550 nm plus/minus 15 nm with reference connectors)
Polarization Dependent Loss	less than 0.08 dBpp
Return Loss Typical Angled	60 dB
Maximum Input Power	+22 dBm (exposure time less than 2 h)
Shutter Isolation Typical	100 dB
Dimensions	75 mm x 64 mm x 335 mm
Net Weight	1.3 kg
Recommended Recalibration Period	2 years
Operating Temperature	10 C to 45 C
Warmup Time	30 minutes

PARAMETER	VALUE
Humidity	noncondensing
Mainframe Compatibility	8163A/B 8164A/B 8166A/B
Related Straight Sibling	81566A
Related High Power Power Control	81576A / 81577A
Alias	HP 81567A; Agilent 81567A; Keysight 81567A
Attenuation	Range: 0 to 60 dB
Return loss	Typical Angled: 60 dB

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Operating temperature	10 C to 45 C
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Humidity	noncondensing
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Mainframe Compatibility	8163A/B 8164A/B 8166A/B
Related Straight Sibling	81566A
Related High Power Power Control	81576A / 81577A
Alias	HP 81567A; Agilent 81567A; Keysight 81567A Notes Rows from Agilent 8156xA/8157xA Optical Attenuators technical specifications (5988-2696EN). Absolute power accuracy depends on the reference power meter used for calibration.

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	81567A
Manufacturer	Hewlett Packard / Agilent / Keysight
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Slot Width	dual slot
Connectivity	angled connector versatile interface
Fiber Type	9/125 um SMF28
Wavelength Range	1250 nm to 1650 nm
Attenuation Range	0 to 60 dB
Resolution	0.001 dB
Repeatability Attenuation Setting	plus/minus 0.01 dB
Repeatability Power Setting	plus/minus 0.015 dB
Accuracy Uncertainty	plus/minus 0.1 dB (1550 nm plus/minus 15 nm; input power less than or equal to +10 dBm)
Settling Time Attenuation Typical	100 ms
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Notes
Rows from Agilent 8156xA/8157xA Optical Attenuators technical specifications (5988-2696EN). Absolute power accuracy depends on the reference power meter used for calibration.

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
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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.