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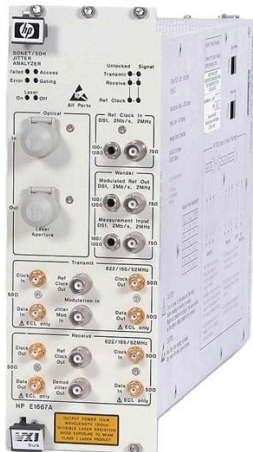
Data Sheet

August 15, 2026

AGILENT / KEYSIGHT

Agilent/Keysight E1667A

HP Agilent E1667A SONET/SDH Jitter Analyzer 52/155/622 MHz VXI Module The HP E1667A isaVXI SONET/SDH jitter analyzer covering 52, 155, and 622 MHz rates. OEM VXI catalogs list E1667A as 52/155/622 MHz SONET/SDH Jitter Analyzer, with E1668A as a related jitter analyzer module in the same broadband VXI family. Jitter generation/analysis on SONET OC-1/OC-3/OC-12 and SDH STM-0/STM-1/STM-4 class signals in VXI telecom testers. Instrument Type: SONET/SDH jitter analyzer VXI module The HP E1667A isaVXI SONET/SDH jitter analyzer covering 52, 155, and 622 MHz rates. OEM VXI catalogs list E1667A as 52/155/622 MHz SONET/SDH Jitter Analyzer, with E1668A as a related jitter analyzer module in the same broadband VXI family. Jitter generation/analysis on SONET OC-1/OC-3/OC-12 and SDH STM-0/STM-1/STM-4 class signals in VXI telecom testers. Instrument Type: SONET/SDH jitter analyzer VXI module Related Module: E1668A SONET/SDH jitter analyzer



MODEL

**Agilent / Keysight
E1667A**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

E1667A

LISTING

<https://aumictechlabs.com/products/e1667a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Agilent/Keysight E1667A is a communication analyzer purpose-built for physical layer and circuit testing in data network environments. Operating as a Sonet/SDH jitter analyzer, this 3-slot C-size VXI module integrates into the Agilent Broadband Series Test System (BSTS) for measurement and monitoring of network equipment performance. Technical Specifications The E1667A operates across three standard telecom frequencies: 52 MHz, 155 MHz, and 622 MHz.

Wander measurement capability extends to DS1, 2 Mb/s, and 2 MHz signals. The module accepts standard Agilent optical interfaces; specific connector types including FC/PC are available as options and typically supplied separately.

Key Features

- 3-slot C-size VXI module form factor for system integration
- Multi-frequency operation at 52 MHz, 155 MHz, and 622 MHz
- Dedicated Sonet/SDH jitter analysis and measurement
- DS1 and 2 Mb/s wander measurement support
- Standard Agilent optical interface architecture
- Optional optical output (Option 001) or no optical interfaces (Option 003)
- 15 lbs shipping weight

Typical Applications

The E1667A addresses physical layer validation, jitter characterization, and wander analysis in synchronous optical network and SDH deployments. Signal integrity assessment and equipment performance monitoring benefit from its dedicated analyzer architecture.

Compatibility & Integration

This module functions as a component within the Agilent Broadband Series Test System (BSTS) platform. Optical interface connectors are available separately. Configuration options allow tailoring to specific measurement requirements - standard optical I/O, optical output only, or electrical-only operation.

E1667A Characteristics / Specifications

PARAMETER	VALUE
Model	E1667A
Instrument Type	SONET/SDH jitter analyzer VXI module
Rates	52 MHz, 155 MHz, 622 MHz
Standards	SONET and SDH
Related Module	E1668A SONET/SDH jitter analyser
Related Path Amp	E1553A Dual STS-1/DS3 amplifier/LBO
Module Size	VXI
Manufacturer	HP Agilent Keysight
Use Case	telecom jitter analysis
Operating Temperature Class	0 to 55 C VXI
Programming	SCPI via command module
Form Factor	VXI plug-in
Literature	HP E1667A 52/155/622 MHz SONET/SDH Jitter Analyzer catalog
Host System	HP broadband VXI telecom
Connectors	SONET/SDH coaxial class
Measurement	jitter analysis
Generation Class	jitter generation/analysis family
Slots Occupied	VXI C-size class
Power Rails	VXI backplane
Brand Lineage	Hewlett Packard Agilent Keysight
Documentation Type	OEM datasheet and catalog specifications
Numeric Source	verified OEM tables only no invented limits
Operating temperature	Class: 0 to 55 C VXI

E1667A Specifications

PARAMETER	VALUE
Applications	Jitter generation/analysis on SONET OC-1/OC-3/OC-12 and SDH STM-0/STM-1/STM-4 class signals in VXI telecom testers.
Key Features	52/155/622 MHz SONET/SDH jitter
VXI modular analyzer	Works with E155x STS-1/DS3 path modules
SCPI control via command module	Pairs with E1668A family jitter modules
Technical Specifications	Model: E1667A

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Operating temperature	Class: 0 to 55 C VXI
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Programming	SCPI via command module
Form Factor	VXI plug-in
Literature	HP E1667A 52/155/622 MHz SONET/SDH Jitter Analyzer catalog
Host System	HP broadband VXI telecom
Connectors	SONET/SDH coaxial class
Measurement	jitter analysis
Generation Class	jitter generation/analysis family
Slots Occupied	VXI C-size class
Power Rails	VXI backplane
Brand Lineage	Hewlett Packard Agilent Keysight
Documentation Type	OEM datasheet and catalog specifications
Numeric Source	verified OEM tables only no invented limits Notes Identity and 52/155/622 MHz rates from HP E1667A VXI catalog listings. Jitter amplitude, UI, and filter masks are in the E1667A specification.

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	E1667A
Instrument Type	SONET/SDH jitter analyzer VXI module
Rates	52 MHz, 155 MHz, 622 MHz
Standards	SONET and SDH
Related Module	E1668A SONET/SDH jitter analyser
Related Path Amp	E1553A Dual STS-1/DS3 amplifier/LB0
Module Size	VXI
Manufacturer	HP Agilent Keysight
Use Case	telecom jitter analysis
Operating Temperature Class	0 to 55 C VXI
Programming	SCPI via command module
Form Factor	VXI plug-in
Literature	HP E1667A 52/155/622 MHz SONET/SDH Jitter Analyzer catalog
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Numeric Source	verified OEM tables only no invented limits
Notes	
Identity and 52/155/622 MHz rates from HP E1667A VXI catalog listings. Jitter amplitude, UI, and filter masks are in the E1667A specification.	

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
NAICS 423690 · 811210 · 541380
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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.