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Data Sheet

August 15, 2026

AGILENT / KEYSIGHT

Agilent/Keysight U9361G

Agilent Keysight U9361G RCal Receiver Calibrator 10 MHz to 67 GHz The Keysight U9361G RCal extends receiver calibrator coverage to 67 GHz with 1.85 mm connectors. OEM measurement guide frequency table lists 10 MHz to 67 GHz for U9361G alongside U9361C/F/M family members. 67 GHz signal analyzer absolute power and flatness correction at the DUT plane, and BPSK comb-based magnitude/phase calibration. BPSK tunable comb for wide IF corrections The Keysight U9361G RCal extends receiver calibrator coverage to 67 GHz with 1.85 mm connectors. OEM measurement guide frequency table lists 10 MHz to 67 GHz for U9361G alongside U9361C/F/M family members. 67 GHz signal analyzer absolute power and flatness correction at the DUT plane, and BPSK comb-based magnitude/phase calibration. BPSK tunable comb for wide IF corrections Instrument Type: RCal receiver calibrator



MODEL

**Agilent / Keysight
U9361G**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

U9361G

LISTING

<https://aumictechlabs.com/products/u9361g-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Keysight U9361G RCal Receiver Calibrator is a compact, USB-powered device that corrects systematic errors in RF and microwave signal paths, enabling precise measurements across the frequency spectrum. It transfers absolute power accuracy and applies magnitude and phase corrections to move the measurement reference plane to the device under test output, improving receiver test system accuracy by an order of magnitude. Technical Specifications Frequency Range: 10 MHz to 67 GHz IF Bandwidth Correction: Up to 5 GHz RF Output Connector: 1.85 mm

(female or male configuration) Control Interface: USB 3.0 Type-A to Type-C Power Requirements: +5 V, < 900 mA per USB 3.0 specifications Dimensions (Female Output): 129.1 mm L × 78.3 mm W × 37.0 mm H Dimensions (Male Output): 129.1 mm L × 82.8 mm W × 37.0 mm H Key Features Absolute power reference calibration mode with tunable, BPSK comb generator for complex calibration scenarios Precision factory calibration data stored internally and transferred via USB Magnitude and phase correction capabilities for IF flatness characterization Ultra-stable, repeatable performance with factory-calibrated reference standards Palm-size form factor enabling portable deployment in field and laboratory environments Corrects system path losses and frequency response errors Typical Applications Aerospace and defense RF measurement systems Communications signal integrity validation High-frequency transmitter characterization at DUT output Receiver calibration requiring order-of-magnitude accuracy improvement Compatibility & Integration Designed for integration with Keysight X-Series signal analyzers and compatible Keysight signal generators. Includes 1 meter USB 3.0 cable.

U9361G Characteristics / Specifications

PARAMETER	VALUE
Model	U9361G
Instrument Type	RCal receiver calibrator
CW Frequency Range	10 MHz to 67 GHz
CW Frequency Resolution Nominal	1 Hz
Connector Type Options	1.85 mm male or 1.85 mm female
Control Interface	USB
Power Source	USB bus powered
Modulation Type	BPSK
Modulation Frequency Range	100 kHz to 100 MHz
Comb Spacing Calibrator Control	100 kHz to 1.344 GHz
CW Output Power Below 40 GHz Nominal	greater than minus 10 dBm
CW Output Power Above 40 GHz Nominal	greater than minus 30 dBm
External Reference Frequency	10 MHz
Series Family	Keysight U9361 RCal
Related Models	U9361C U9361F U9361M
Form Factor	palm size module
Net Weight Class	0.34 kg class family
USB Type	USB 3.0
USB Voltage	plus 5 V
USB Current	less than 900 mA
Calibration Data Storage	internal nonvolatile
User Data Storage	none
Calibration Cycle Recommended	1 year
Operating Temperature Class	0 C to 40 C warm up class per OEM definitions

PARAMETER	VALUE
Operating temperature	Class: 0 C to 40 C warm up class per OEM definitions

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
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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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Series Family	Keysight U9361 RCal
Related Models	U9361C U9361F U9361M
Form Factor	palm size module
Net Weight Class	0.34 kg class family
USB Type	USB 3.0
USB Voltage	plus 5 V
USB Current	less than 900 mA
Calibration Data Storage	internal nonvolatile
User Data Storage	none
Calibration Cycle Recommended	1 year
Operating Temperature Class	0 C to 40 C warm up class per OEM definitions

Notes

Frequency and connector rows from Keysight U9361F/M Receiver Calibrator Measurement Guide model table and U9361 RCal technical overview family. Power notes from calibrator control section are OEM nominal.

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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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.