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Data Sheet

August 12, 2026

ROHDE & SCHWARZ

Rohde and Schwarz RT-ZM60 Modular Probe Amplifier, 6 GHz, Multimode

The Rohde & Schwarz RT-ZM60 is a modular probe amplifier with a bandwidth of 6 GHz, designed for use with R&S modular probe systems. It supports multiple modes of operation, offering versatility for various measurement applications. This amplifier ensures high-fidelity signal acquisition and is an essential component for accurate and reliable testing.



MODEL

**Rohde & Schwarz
RT-ZM60**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

RT-ZM60

LISTING

<https://aumictechlabs.com/products/rt-zm60-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Rohde & Schwarz RT-ZM60 is a modular probe amplifier delivering 6 GHz bandwidth for high-frequency signal acquisition across multimode measurement configurations. Part of the R&S®RT-ZM modular probe system, this amplifier combines high probing bandwidth with dynamic range switching and minimal capacitive loading - delivering rise times under 75 ps for fast transient capture. Technical Specifications Bandwidth: Greater than 6 GHz Rise Time: Less than 75 ps Input Impedance: 400 kΩ differential mode; 200 kΩ single-ended mode Operating Voltage Window: ±5 V plus DC offset voltage DC Offset Voltage Compensation: ±16 V across all operating modes Maximum Non-Destructive Input Voltage: ±30 V Cable Length: Approximately 1.1 m (43 in) Overall Length: Approximately 1.2 m (48 in) Weight: Approximately 40 g (0.1 lb) Key Features

Multimode Switching: Transitions between single-ended, differential, and common mode measurements without probe tip reconnection or resoldering Dynamic Range: Switchable gain settings minimize system noise across measurement ranges Integrated R&S®ProbeMeter: Measures DC signal components with 0.05% accuracy; operates independently from the oscilloscope with dedicated ADC digitization; performs continuous DC measurement in parallel with waveform acquisition Integrated Micro Button: Programmable control element on the probe amplifier module; configurable on compatible Rohde & Schwarz oscilloscopes for run/stop, auto set, waveform save, trigger level detection, and automated test report generation; supports multimode switching configuration Compatibility & Integration Oscilloscope Support: Compatible with R&S®RTE, R&S®RTO1000, R&S®RTO2000, and R&S®RTP instruments Probe Interface: Double-socket SMP connector following Rohde & Schwarz probe interface standard

Features & description

From manufacturer datasheet

Features

- Bandwidth (DM, 10:1 and 2:1): >6.0 GHz
- Rise time (10%–90%, from BW): <75 ps
- Attenuation: 10:1 (± 2.5 V) / 2:1 (± 0.5 V)
- Input R: 400 k Ω differential; 200 k Ω single-ended
- Operating window: ± 7.0 V + ± 16 V offset (DC–100 kHz); ± 5.0 V + ± 16 V (>100 kHz)
- Offset: ± 16 V all modes; non-destruct ± 30 V DC
- Propagation delay: 5.5 ns (meas.); slew ~ 80 V/ns at 10:1 (meas.)
- CMRR (DM): >50 dB DC–1 kHz; 40 / 35 / 25 / 20 dB higher bands (meas.)
- ProbeMeter / micro button; R&S probe interface
- Order: 1419.3105.02

RTZM60 Characteristics / Specifications

PARAMETER	VALUE
Model	RT-ZM60
Manufacturer	Rohde & Schwarz
Instrument Type	Modular MultiMode Probe Amplifier
Alias	RT-ZM60; R&S RT-ZM60 Electrical
Bandwidth	>6.0 GHz
Rise time	<75 ps
Attenuation	10:1 (± 2.5 V) / 2:1 (± 0.5 V)
Dynamic range	± 2.5 V / ± 0.5 V
Input R	400 k Ω (DM) / 200 k Ω (SE) Notes Specs from R&S RT-ZM modular probe documentation. Confirm tip module and order number on the unit.
Bandwidth (DM, 10	1 and 2:1): >6.0 GHz
Rise time (10%–90%, from BW)	<75 ps
Operating window	± 7.0 V + ± 16 V offset (DC–100 kHz); ± 5.0 V + ± 16 V (>100 kHz)
Offset	± 16 V all modes; non-destruct ± 30 V DC
Propagation delay	5.5 ns (meas.); slew ~ 80 V/ns at 10:1 (meas.)
CMRR (DM)	>50 dB DC–1 kHz; 40 / 35 / 25 / 20 dB higher bands (meas.)
Order	1419.3105.02

RTZM60 Specifications

PARAMETER	VALUE
Applications	6 GHz multimode probing; solder-in and browser tips on R&S RTP/RTO/MXO-class scopes.
Key Features	- Bandwidth (DM, 10:1 and 2:1): >6.0 GHz
Technical Specifications	Model: RT-ZM60
Electrical	Bandwidth: >6.0 GHz

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	RT-ZM60
Manufacturer	Rohde & Schwarz
Instrument Type	Modular MultiMode Probe Amplifier
Alias	RT-ZM60; R&S RT-ZM60
Electrical	
Electrical	
PARAMETER	VALUE
Bandwidth	>6.0 GHz
Rise time	<75 ps
Attenuation	10:1 / 2:1
Dynamic range	±2.5 V / ±0.5 V
Input R	400 kΩ (DM) / 200 kΩ (SE)
Notes	
Specs from R&S RT-ZM modular probe documentation. Confirm tip module and order number on the unit.	

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.