

**Aumictech**

Test & measurement · bought, sold, repaired, calibrated

Data Sheet

August 13, 2026

ROHDE & SCHWARZ

Rohde & Schwarz ZV-Z34 40GHz 2.92mm Calibration Kit

Aumictech offers NIST-traceable calibration and repair for the Rohde & Schwarz ZV-Z34. All calibrations are performed to NIST-traceable standards and ship with a certificate. Turnaround is typically 1–3 business days after receipt. This Rohde & Schwarz ZV-Z34 is listed at . Calibration is available separately from . Contact us for volume pricing or if you need multiple units. NIST-traceable calibration for the Rohde & Schwarz ZV-Z34 is (standard — pass/fail certificate and calibration sticker) or (full measured data at every test point, reference standards documented, traceability chain included). Turnaround is 1 to 3 business days after receipt. See full calibration details →



MODEL

Rohde & Schwarz ZV-Z34

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

ZV-Z34

LISTING

<https://aumictechlabs.com/products/zv-z34-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Rohde & Schwarz ZV-Z34 calibration kit is an essential tool for performing accurate measurements with vector network analyzers (VNAs) that use 2.92 mm connectors. Operating up to 40 GHz, this kit enables users to calibrate their VNAs by characterizing and mitigating systematic errors. The kit contains a variety of calibration standards, including shorts, opens, loads, and through connections, each meticulously manufactured to meet stringent specifications. Proper use of the ZV-Z34 calibration kit ensures that the VNA delivers precise and reliable

measurements, which is critical in applications such as component testing, system integration, and research and development.

Features & description

From manufacturer datasheet

Features

- Fixed-match 2.92 mm male and female mechanical standards
- DC to 40 GHz coverage matching ruggedized 2.92 mm VNA ports
- Sibling ZV-Z35 adds sliding matches in the same connector
- Factory characterization data supplied with the kit
- 2.92 mm is mechanically compatible with 3.5 mm only with care; prefer same-series mating

Applications

- SOLT / OSM calibration of 2.92 mm VNA ports to 40 GHz
- Characterization of 2.92 mm cables, adapters, and modules
- Support of ZVA40 / ZVT 40 GHz 2.92 mm configurations
- Replacement of worn K-connector opens, shorts, and loads

ZVZ34 Characteristics / Specifications

PARAMETER	VALUE
Model	ZV-Z34
Manufacturer	Rohde & Schwarz
Instrument Type	Manual mechanical VNA calibration kit
Alias	ZV Z34; R&S ZV-Z34
Order Number	1128.3530.02
Frequency Range	0 GHz to 40 GHz
Connector Type	2.92 mm male and female
System Impedance	50 ohm
Match Type	fixed matches (not sliding)
Kit Class	mechanical OSM / SOLT standards
Sibling Sliding Kit	ZV-Z35, 1128.3547.02, 0 GHz to 40 GHz
Related 3.5 mm Fixed Kit	ZV-Z32, 1128.3501.02, 0 Hz to 26.5 GHz
Related 2.4 mm Kit	ZV-Z36, 1305.5900.02, 0 Hz to 50 GHz
Related Electronic Unit	ZV-Z54 two port 2.92 mm (f), 10 MHz to 40 GHz
Typical Standard Set	open, short, fixed match, thru (confirm contents in the case)
Pin Depth Class 2.92 mm Family	0 mm to minus 0.035 mm (ZV-Z329 class)
Inner Conductor Material Family	gold plated age hardened CuBe (ZV-Z3xx class)
Outer Conductor Material Family	stainless steel (ZV-Z3xx class)
Operating Temperature Family	+18 C to +28 C for specified cal data
Permissible Temperature Family	0 C to +50 C
Storage Temperature Family	minus 40 C to +70 C
Calibration Interval Family	1 year
Host VNA Example	ZVA40 10 MHz to 40 GHz, 2.92 mm male ruggedized
ZVA40 Two Port 2.92 mm Order	1145.1110.40
ZVA40 Four Port 2.92 mm Order	1145.1110.42

PARAMETER	VALUE
Torque Practice	use a 2.92 mm / K torque wrench
Mating Warning	do not force 2.92 mm onto SMA; inspect pin depth before use Notes Specs from R&S ZVA / ZVT accessory tables and ZV-Z3xx family mechanical data. ZV-Z34 is listed as 2.92 mm, 0 GHz to 40 GHz, order 1128.3530.02, fixed matches. Inventory the case and confirm DCV / characterization media. This is not the 3.5 mm ZV-Z32.
Storage temperature	Family: minus 40 C to +70 C
Operating temperature	Family: +18 C to +28 C for specified cal data

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Storage temperature	Family: minus 40 C to +70 C
Operating temperature	Family: +18 C to +28 C for specified cal data
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Operating Temperature Family	+18 C to +28 C for specified cal data
Permissible Temperature Family	0 C to +50 C
Storage Temperature Family	minus 40 C to +70 C
Calibration Interval Family	1 year
Host VNA Example	ZVA40 10 MHz to 40 GHz, 2.92 mm male ruggedized
ZVA40 Two Port 2.92 mm Order	1145.1110.40
ZVA40 Four Port 2.92 mm Order	1145.1110.42
Torque Practice	use a 2.92 mm / K torque wrench
Mating Warning	do not force 2.92 mm onto SMA; inspect pin depth before use Notes Specs from R&S ZVA / ZVT accessory tables and ZV-Z3xx family mechanical data. ZV-Z34 is listed as 2.92 mm, 0 GHz to 40 GHz, order 1128.3530.02, fixed matches. Inventory the case and confirm DCV / characterization media. This is not the 3.5 mm ZV-Z32.

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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Manufacturer	Rohde & Schwarz
Instrument Type	Manual mechanical VNA calibration kit
Alias	ZV Z34; R&S ZV-Z34
Order Number	1128.3530.02
Frequency Range	0 GHz to 40 GHz
Connector Type	2.92 mm male and female
System Impedance	50 ohm
Match Type	fixed matches (not sliding)
Kit Class	mechanical OSM / SOLT standards
Sibling Sliding Kit	ZV-Z35, 1128.3547.02, 0 GHz to 40 GHz
Related 3.5 mm Fixed Kit	ZV-Z32, 1128.3501.02, 0 Hz to 26.5 GHz
Related 2.4 mm Kit	ZV-Z36, 1305.5900.02, 0 Hz to 50 GHz
Related Electronic Unit	ZV-Z54 two port 2.92 mm (f), 10 MHz to 40 GHz
Typical Standard Set	open, short, fixed match, thru (confirm contents in the case)
Pin Depth Class 2.92 mm Family	0 mm to minus 0.035 mm (ZV-Z329 class)
Inner Conductor Material Family	gold plated age hardened CuBe (ZV-Z3xx class)
Outer Conductor Material Family	stainless steel (ZV-Z3xx class)
Operating Temperature Family	+18 C to +28 C for specified cal data
Permissible Temperature Family	0 C to +50 C
Storage Temperature Family	minus 40 C to +70 C
Calibration Interval Family	1 year
Host VNA Example	ZVA40 10 MHz to 40 GHz, 2.92 mm male ruggedized
ZVA40 Two Port 2.92 mm Order	1145.1110.40
ZVA40 Four Port 2.92 mm Order	1145.1110.42
Torque Practice	use a 2.92 mm / K torque wrench

PARAMETER

VALUE

Mating Warning

do not force 2.92 mm onto SMA; inspect pin depth before use

Notes

Specs from R&S ZVA / ZVT accessory tables and ZV-Z3xx family mechanical data. ZV-Z34 is listed as 2.92 mm, 0 GHz to 40 GHz, order 1128.3530.02, fixed matches. Inventory the case and confirm DCV / characterization media. This is not the 3.5 mm ZV-Z32.

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
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<https://aumictechlabs.com>

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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.