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Data Sheet

August 13, 2026

ROHDE & SCHWARZ

Rohde & Schwarz ZV-Z35 40GHz 2.92mm Calibration Kit

The Rohde & Schwarz ZV-Z35 is a 40 GHz calibration kit with 2.92mm connectors. It provides precision calibration standards to ensure accurate measurements with vector network analyzers up to 40 GHz. This kit includes various calibration components to correct for systematic errors and enhance measurement accuracy in high-frequency testing environments.



MODEL

Rohde & Schwarz ZV-Z35

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

ZV-Z35

LISTING

<https://aumictechlabs.com/products/zv-z35-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Rohde & Schwarz ZV-Z35 is a precision calibration kit engineered for vector network analyzer calibration up to 40 GHz. Built with 2.92mm connectors, it delivers the calibration standards required to systematically correct measurement errors and establish traceable reference planes across RF and microwave test setups. This kit is essential for engineers requiring high-frequency performance characterization with verified accuracy. Technical Specifications Frequency Range: 0 GHz to 40 GHz Connector Type: 2.92mm System Impedance: 50 Ω Calibration Standards: Short, Open, Load (50 Ω termination), Through Special Features: Sliding matches for impedance plane adjustment Key Features Four-standard SOLT calibration architecture for systematic error correction Sliding matches enable precise impedance reference positioning Designed for both

manual and automated calibration workflows Mechanical construction optimized for 2.92mm connector repeatability Typical Applications VNA characterization of passive and active RF/microwave components S-parameter measurements in research and production environments High-frequency device and circuit validation up to 40 GHz Transmission line and filter performance verification Compatibility & Integration The ZV-Z35 works with Rohde & Schwarz network analyzers supporting 2.92mm connectors and 40 GHz operation, including the R&S ZVA series, R&S ZVT series, and R&S ZVM/ZVK series. The kit has the necessary standards for establishing repeatable, traceable measurement baselines in any VNA system operating within the 0–40 GHz band with 2.92mm port architecture.

ZVZ35 Characteristics / Specifications

PARAMETER	VALUE
Model	ZV Z35
Manufacturer	Rohde & Schwarz
Instrument Type	Manual mechanical VNA calibration kit with sliding matches
Alias	ZV-Z35; R&S ZV-Z35
Order Number	1128.3547.02
Frequency Range	0 GHz to 40 GHz
Connector Type	2.92 mm male and female
System Impedance	50 ohm
Match Type	sliding matches (not fixed-only)
Kit Class	mechanical OSM / SOLT with sliding loads
Sibling Fixed Kit	ZV Z34, 1128.3530.02, 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, sliding 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
Sliding Load Purpose	reduce residual source match error at high GHz versusafixed load
Form	mechanical kit in protective case with characterization media Notes Specs from R&S ZVA / ZVT accessory tables and ZV-Z3xx family mechanical data. ZV-Z35 is listed as 2.92 mm with sliding matches, 0 GHz to 40 GHz, order 1128.3547.02. Inventory the case and confirm DCV / characterization media. This is not the fixed-match ZV-Z34.
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
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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
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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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Instrument Type	Manual mechanical VNA calibration kit with sliding matches
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Related 3.5 mm Fixed Kit	ZV Z32, 1128.3501.02, 0 Hz to 26.5 GHz
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PARAMETER	VALUE
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, sliding match, thru (confirm contents in the case)

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PARAMETER	VALUE
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

Specifications

PARAMETER	VALUE
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

Specifications

PARAMETER	VALUE
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

Sliding Load Purpose: reduce residual source match error at high GHz versusafixed load

Form: mechanical kit in protective case with characterization media

Notes

Specs from R&S ZVA / ZVT accessory tables and ZV-Z3xx family mechanical data. ZV-Z35 is listed as 2.92 mm with sliding matches, 0 GHz to 40 GHz, order 1128.3547.02. Inventory the case and confirm DCV / characterization media. This is not the fixed-match ZV-Z34.

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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<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.