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Data Sheet

August 15, 2026

ANRITSU

Anritsu 3654D – V (1.85 mm) Calibration Kit

Anritsu 3654DVConnector Mechanical Calibration Kit The Anritsu 3654D isaV-connector (1.85 mm) mechanical calibration kit for VNA SOLT calibrations. OEM 365xx reference documentation lists V-connector opens, shorts, broadband loads, adapters, and tools for error-corrected measurements on 1.85 mm test ports, with pin-depth gauge on the standard kit. V-connector (1.85 mm) VNA calibration, millimeter-wave component test, and precision 1.85 mm metrology. Key FeaturesVconnector SOLT calibration standards The Anritsu 3654D isaV-connector (1.85 mm) mechanical calibration kit for VNA SOLT calibrations. OEM 365xx reference documentation lists V-connector opens, shorts, broadband loads, adapters, and tools for error-corrected measurements on 1.85 mm test ports, with pin-depth gauge on the standard kit. V-connector (1.85 mm) VNA calibration, millimeter-wave component test, and precision 1.85 mm metrology. Key FeaturesVconnector SOLT calibration standards Supports 12-term corrected VNA calibrations



MODEL

Anritsu 3654D

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

3654D

LISTING

<https://aumictechlabs.com/products/3654d-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Anritsu 3654D is a 1.85 mm (V-connector) calibration kit precise calibration for Vector Network Analyzers and high-frequency test instruments operating in microwave and millimeter-wave bands. This kit has a complete set of calibration standards - opens, shorts, loads, and through connections - engineered to characterize and remove systematic errors from VNA

measurements. The precision-manufactured standards ensure accurate reference-plane correction and impedance definition across the operational frequency range.

Technical Specifications

- Connector Type: 1.85 mm (V)
- Frequency Range: Up to 67 GHz (1.85 mm connector capability)
- Nominal Impedance: 50 Ohms
- Insertion Loss: Minimized through precision machining and material selection
- Reflection Coefficient: Characterized to be very low across all standards

Key Features

- Open Standards: Precisely defined open-circuit terminations for accurate fringing-field modeling at the reference plane
- Short Standards: Low-inductance short-circuit terminations with precise positioning of the shorting element
- Load Standards: Highly accurate 50-ohm terminations with excellent reflection coefficient performance across the frequency range
- Through Standards: Direct transmission reference for two-port measurement characterization

Connector Design: 1.85 mm precision-manufactured connectors meet stringent tolerances for reliable engagement and consistent electrical performance to 67 GHz

Construction: High-quality materials selected for electrical properties and mechanical durability

Typical Applications

- Vector Network Analyzer calibration and error correction
- Microwave component characterization
- Millimeter-wave measurement verification
- Systematic error removal in RF and microwave testing

Compatibility & Integration

The 3654D operates with Anritsu VNAs and other high-frequency test instruments equipped with 1.85 mm connectors. The 50-ohm impedance standard ensures compatibility across conventional RF and microwave systems.

3654D Characteristics / Specifications

PARAMETER	VALUE
Model	3654D
Instrument Type	Mechanical calibration kit
Connector Type	V (1.85 mm)
Calibration Methods	SOLT with opens shorts broadband loads
Pin Depth Gauge	Included on standard 3654D
Related Option Without Gauge	3654D-2
Related Option With S1p	3654D-3
Related Option S1p No Gauge	3654D-4
Standards Included Class	Male/female open short load set
Adapter Set Class	V-connector precision adapters
Tooling	Torque wrench and adapter tools class
Coefficients	Calibration coefficients supplied with kit
Warmup Spec Class	Follow instrument warm-up guidance
Safety Class	Observe published maximum ratings
Chassis Form	Mechanical cal kit in case
Brand Lineage	Anritsu
Frequency Use	Per V-connector broadband load ratings in kit docs
Host Instruments	Anritsu and other VNAs supporting kit coefficients
Documentation Scope	Anritsu 365xx mechanical cal kit reference
Sliding Loads	Not used on current 3654D generation class
Sex Coverage	Male and female test ports
Case	Protective cal-kit case
Installed Options	Verify 3654D vs 3654D-1 sliding-load legacy variants

3654D Specifications

PARAMETER	VALUE
Anritsu 3654D V Connector Mechanical Calibration Kit	Overview
Applications	V-connector (1.85 mm) VNA calibration, millimeter-wave component test, and precision 1.85 mm metrology.
Adapters and torque tools included	Supports 12-term corrected VNA calibrations
Technical Specifications	Model: 3654D

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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Installed Options	Verify 3654D vs 3654D-1 sliding-load legacy variants
Notes	
From Anritsu 365xx Mechanical Calibration Kits Reference Manual model 3654D. Confirm whether the unit is standard, -1 sliding-load legacy, or -2/-3/-4 optionized.	

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.