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Data Sheet

August 13, 2026

ANRITSU

Anritsu 3650 SMA/3.5 mm Calibration Kit

Anritsu 3650 SMA/3.5 mm VNA Calibration Kit 10 MHz to 26.5 GHz The Anritsu 3650 isamechanical SOLT calibration kit for SMA and 3.5 mm connector interfaces. It supplies precision opens, shorts, broadband loads, adapters, and tooling to perform 12-term error-corrected calibrations on Anritsu and compatible vector network analyzers from 10 MHz to 26.5 GHz. Factory reflection coefficients are provided on media for serial-number-specific kit definitions; Option 1 (3650-1) adds sliding terminations and flush shorts. The Anritsu 3650 isamechanical SOLT calibration kit for SMA and 3.5 mm connector interfaces. It supplies precision opens, shorts, broadband loads, adapters, and tooling to perform 12-term error-corrected calibrations on Anritsu and compatible vector network analyzers from 10 MHz to 26.5 GHz. Factory reflection coefficients are provided on media for serial-number-specific kit definitions; Option 1 (3650-1) adds sliding terminations and flush shorts.



MODEL

Anritsu 3650

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

3650

LISTING

<https://aumictechlabs.com/products/3650-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Anritsu 3650 is a precision calibration kit engineered for SMA and 3.5 mm connectors, delivering the standards required for accurate vector network analyzer (VNA) calibration and RF test equipment characterization. This kit enables 12-term error-corrected measurements across both male and female test ports, ensuring traceable results in RF and microwave applications from DC through 26.5 GHz. Technical Specifications Frequency Range DC to 26.5 GHz 10 MHz to 26.5

GHz Connector Compatibility SMA 3.5 mm Calibration StandardsThe kit supplies opens, shorts, and broadband loads in both male and female configurations, supporting full two-port error correction across the frequency band.

Key Features Complete calibration component set includes precision adapters, phase-equal adapters, flush and standard shorts, male and female opens, and broadband terminations. Supplied tools comprise a torque wrench preset to 8 lbf·in (0.9 N·m), reference flat, pin depth gauges, connector thumb wheel, and universal adapter wrench. Calibration coefficients are provided on both diskette and USB memory device. Option 3650-001 extends the kit with sliding load terminations in both male and female formats, addressing applications requiring variable termination impedance.

Typical Applications Vector network analyzer calibration and verification Two-port S-parameter measurements Transmission line and component characterization Impedance and reflection coefficient determination Filter and amplifier performance assessment

Compatibility & Integration The Anritsu 3650 integrates with Anritsu VNA platforms including the Lightning Series, VectorStar MS4640A Series, 37xxxX Series, and 373XXA systems. The kit also supports Anritsu Vector Network Measurement Systems.

Features & description

From manufacturer datasheet

Features

- Connector family SMA and precision 3.5 mm
- Frequency coverage 10 MHz to 26.5 GHz
- Opens shorts and broadband fixed loads for SOLT
- Male and female standards for both test-port genders
- Option 1 sliding terminations and flush shorts
- Calibration coefficients media by kit serial number
- Torque wrench and pin depth gauges included

Applications

- 12-term SOLT calibration of SMA and 3.5 mm VNA test ports
- Male and female test-port calibration on Lightning and VectorStar VNAs
- Adapter and interconnect characterization with kit adapters
- Sliding-load calibrations when Option 1 is installed

3650 Characteristics / Specifications

PARAMETER	VALUE
Model	3650
Manufacturer	Anritsu
Instrument Type	Mechanical VNA Calibration Kit
Alias	3650; Wiltron 3650; 3650 Series
Frequency range minimum	10 MHz
Frequency range maximum	26.5 GHz
Connector interface	SMA and 3.5 mm
Calibration method	SOLT 12 term error correction
Male open model	24S50
Female open model	24SF50
Male short model	23S50
Female short model	23SF50
Male broadband termination	28S50-2 quantity 2
Female broadband termination	28SF50-2 quantity 2
Male adapter	34AS50-2 quantity 2
Female adapter	34ASF50-2 quantity 2
Female female adapter	33KFKF50 quantity 2
Male female adapter	33SSF50 quantity 2
Male male adapter	33SS50
Torque wrench	01-201
Reference flat	01-210
Pin depth gauges	01-222 and 01-233
Sliding load option kit	3650-1
Male sliding termination Option	17S50
Female sliding termination Option	17SF50

PARAMETER	VALUE
Male flush short Option	01-211
Female flush short Option	01-212
Relative lower band kit	3750R to 9 GHz
Form factor	benchtop calibration kit case
DUT gender support	male and female
Compatible VNA families	Anritsu Lightning and VectorStar SOLT Notes Specs from Anritsu 3650 Series product page and reseller technical data (10 MHz to 26.5 GHz SMA/3.5 mm). Confirm Option 1 sliding loads and coefficient media on the unit.

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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Male female adapter	33SSF50 quantity 2
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Female flush short Option 1	01-212
Relative lower band kit	3750R to 9 GHz
Form factor	benchtop calibration kit case
DUT gender support	male and female
Compatible VNA families	Anritsu Lightning and VectorStar SOLT

Notes
Specs from Anritsu 3650 Series product page and reseller technical data (10 MHz to 26.5 GHz SMA/3.5 mm).
Confirm Option 1 sliding loads and coefficient media 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.