

**Aumictech**

Test & measurement · bought, sold, repaired, calibrated

Data Sheet

August 13, 2026

ANRITSU

Anritsu 36582KKF 2-port AutoCal K type, 40 MHz to 40 GHz

Anritsu 36582KKF AutoCal 2 Port Module 40 MHz to 40 GHz The Anritsu 36582KKF is a 3658x Series AutoCal two-port automatic calibrator module with K(m) to K(f) connectors covering 40 MHz to 40 GHz. Precisely characterized internal standards remove systematic VNA errors for fast, repeatable 1-port and full 2-port OSLT calibrations on Lightning 37000 and Scorpion MS462xx VNAs via the built-in serial port, without an external controller. Characterization data are NIST-traceable with a six-month re-characterization interval class for this series. The Anritsu 36582KKF is a 3658x Series AutoCal two-port automatic calibrator module with K(m) to K(f) connectors covering 40 MHz to 40 GHz. Precisely characterized internal standards remove systematic VNA errors for fast, repeatable 1-port and full 2-port OSLT calibrations on Lightning 37000 and Scorpion MS462xx VNAs via the built-in serial port, without an external controller. Characterization data are NIST-traceable with a six-month re-characterization interval class for this series.



MODEL

Anritsu 36582KKF

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

36582KKF

LISTING

<https://aumictechlabs.com/products/36582kkf-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Anritsu 36582KKF is a 2-port AutoCal K-type calibration module that automates vector network analyzer calibration across 40 MHz to 40 GHz. This mechanical module uses electro-mechanical actuators to exchange internal calibration standards, delivering fast, repeatable, and high-accuracy coaxial calibrations. The module removes systematic VNA errors through precisely characterized standards and supports 1-port S11/S22 calibrations, full 2-port OSLT (Open-Short-Load-Thru) calibrations, and efficient Thru Update mode for 12-term calibration refinement without full re-calibration.

Technical Specifications
Frequency Range: 40 MHz to 40 GHz
Module Connectors: K (Male) – K (Female)
Switch Type: Mechanical
Operating Temperature: 23 °C ± 3 °C ambient
Calibration Standard Characterization: Supplied data file for each standard
Performance Guarantee: 6 months without re-characterization

Key Features
Supports 1-port S11 and S22 calibrations
Full 2-port OSLT calibration capability
Thru Update mode for efficient 12-term calibration updates
Internal port isolation measurement standards
Direct serial control interface
Re-characterization via compatible VNA or service center

Typical Applications
Automated high-frequency coaxial calibration in production test environments, R&D laboratories, and service facilities requiring repeatable multi-port VNA characterization to 40 GHz.

Compatibility & Integration
Direct integration with Anritsu 37000 series VNAs (firmware v3.37 or later) and MS464x series VNMS via built-in software control. Supports Anritsu 360B VNA and earlier 37000 models through external PC with Windows and National Instruments IEEE488.2 GPIB interface card. RS-232 serial interface extender available for PC host controller or VNA connection.

Features & description

From manufacturer datasheet

Features

- Frequency coverage 40 MHz to 40 GHz
- K male toKfemale AutoCal module
- Full 2 port OSLT and 1 port S11/S22
- True Thru and Isolation Cal modes
- Switch averaging to reduce switch nonrepeatability
- Thru Update without full recal
- Characterized module NIST traceable
- Serial control from Lightning/Scorpion VNAs

Applications

- Fast 1 port and 2 port VNA calibrations to 40 GHz
- Manufacturing throughput calibrations under 2 minutes class
- Adapter removal and noninsertable device workflows
- Thru update after cable movement
- Lightning and Scorpion VNA serial port control

36582KKF Characteristics / Specifications

PARAMETER	VALUE
Model	36582KKF
Manufacturer	Anritsu
Instrument Type	AutoCal 2 Port Automatic Calibrator
Alias	36582KKF; Anritsu 36582KKF
Series	3658x AutoCal
Frequency range	40 MHz to 40 GHz
Connector type	K male toKfemale
Calibration types	1 port S11/S22 and full 2 port OSLT
Directivity 0.01 to 2 GHz AutoCal module	38 dB
Directivity 2 to 20 GHz AutoCal module	36 dB
Directivity 20 to 40 GHz AutoCal module	34 dB
Source match 0.01 to 2 GHz	34 dB
Source match 2 to 20 GHz K	34 dB
Source match 20 to 40 GHz	26 dB
Reflection tracking 0.01 to 2 GHz	plus or minus 0.15 dB
Reflection tracking 2 to 20 GHz	plus or minus 0.20 dB
Reflection tracking 20 to 40 GHz	plus or minus 0.25 dB
Transmission tracking internal thru 0.01 to 2 GHz	plus or minus 0.15 dB
Transmission tracking internal thru 2 to 20 GHz	plus or minus 0.20 dB
Transmission tracking internal thru 20 to 40 GHz	plus or minus 0.25 dB
Transmission tracking true thru 0.01 to 2 GHz	plus or minus 0.10 dB
Transmission tracking true thru 2 to 20 GHz	plus or minus 0.10 dB

PARAMETER	VALUE
Transmission tracking true thru 20 to 40 GHz	plus or minus 0.20 dB
Specification temperature	23 plus or minus 3 C
Operating temperature	18 to 28 C
Storage temperature	-20 to 70 C
Relative humidity	5 percent to 95 percent at 40 C
Two port dimensionsHxWxD	65 mm x 155 mm x 90 mm
Serial connector	9 pinDsub
Recharacterization interval class	6 months
RelatedNtype model	36581NNF 40 MHz to 18 GHz
Related K 20 GHz model	36581KKF 40 MHz to 20 GHz
Related converter set	36583KKtype
Primary use	automatic 2 port VNA calibration to 40 GHz Notes Specs from Anritsu 3658x Series AutoCal technical data sheet 11410-00189 for 36582KKF (40 MHz–40 GHz K-K). Confirm characterization file date and connector condition before use.
Humidity	5 percent to 95 percent at 40 C

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Storage temperature	20 to 70 C
Operating temperature	18 to 28 C
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Humidity	5 percent to 95 percent at 40 C
Relative humidity	5 percent to 95 percent at 40 C
Two port dimensionsHxWxD	65 mm x 155 mm x 90 mm
Serial connector	9 pinDsub
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RelatedNtype model	36581NNF 40 MHz to 18 GHz
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Primary use	automatic 2 port VNA calibration to 40 GHz Notes Specs from Anritsu 3658x Series AutoCal technical data sheet 11410-00189 for 36582KKF (40 MHz–40 GHz K-K). Confirm characterization file date and connector condition before use.

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
Serial connector	9 pin D sub
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Related N type model	36581NNF 40 MHz to 18 GHz
Related K 20 GHz model	36581KKF 40 MHz to 20 GHz
Related converter set	36583K K type
Primary use	automatic 2 port VNA calibration to 40 GHz
Specifications	
PARAMETER	VALUE
Specification temperature	23 plus or minus 3 C
Operating temperature	18 to 28 C
Storage temperature	-20 to 70 C
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PARAMETER	VALUE
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Manufacturer	Anritsu
Instrument Type	AutoCal 2 Port Automatic Calibrator
Alias	36582KKF; Anritsu 36582KKF
Series	3658x AutoCal
Frequency range	40 MHz to 40 GHz
Connector type	K male toKfemale
Calibration types	1 port S11/S22 and full 2 port OSLT
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Source match 2 to 20 GHz K	34 dB
Source match 20 to 40 GHz	26 dB
Reflection tracking 0.01 to 2 GHz	plus or minus 0.15 dB
Reflection tracking 2 to 20 GHz	plus or minus 0.20 dB
Reflection tracking 20 to 40 GHz	plus or minus 0.25 dB

Transmission tracking internal thru 0.01 to 2 GHz: plus or minus 0.15 dB
Transmission tracking internal thru 2 to 20 GHz: plus or minus 0.20 dB
Transmission tracking internal thru 20 to 40 GHz: plus or minus 0.25 dB
Transmission tracking true thru 0.01 to 2 GHz: plus or minus 0.10 dB
Transmission tracking true thru 2 to 20 GHz: plus or minus 0.10 dB
Transmission tracking true thru 20 to 40 GHz: plus or minus 0.20 dB

Specifications

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Specification temperature	23 plus or minus 3 C
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Primary use	automatic 2 port VNA calibration to 40 GHz

Notes
Specs from Anritsu 3658x Series AutoCal technical data sheet 11410-00189 for 36582KKF (40 MHz-40 GHz K-K).
Confirm characterization file date and connector condition before use.

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.