STQ-TO-10-U3-CKIT1

WR-10 Waveguide Vector Analyzer Calibration Kit, 75 to 110 GHz

Description:

Model STQ-TO-10-U3-CKIT1 is a W-band waveguide vector network analyzer (VNA) calibration kit designed to work with industry standard network analyzers in the frequency range of 75 to 110 GHz. The calibration kit consists of two straight waveguide sections, one fixed short, one fixed matching load, one sliding load, one ¼ wavelength offset, two waveguide quick connects, ten 3/32 hex head waveguide screws, a 3/32" hex waveguide screw driver and one calibration data USB drive. The calibration kit is collected in a wooden box and is an ideal higher performance metrology grade calibration set for VNA system calibrations.

Features:

- Precisely Machined and Manufactured
- Metrology Grade
- High Electrical Performance

Applications:

- Vector Network Analyzer Calibration
- Scalar Network Analyzer Calibration
- General Test Lab Instrumentation

Components Included in the Kit:

Item	SAGE Model Number	Quantity
Metrology Straight Waveguide Section, 2" Long	STQ-WG-10020-FM-A	2 Pieces
Metrology Fixed Short	STQ-WS-VG-F2	1 Piece
Metrology Fixed Waveguide Load	STQ-WL-1030-S7	1 Piece
Metrology Sliding Waveguide Load	STQ-WS-1027-T2	1 Piece
Metrology ¼ Wavelength Offset	STQ-WI-10041-U2	1 Piece
Waveguide Quick Connect, 0.75" Diameter Flange	SWH-QC-0750C-R2	2 Pieces
Waveguide Screws, 3/32 Hex Head	SWH-332-SS-10	1 Bag (10 Pieces)
Waveguide Screwdriver, 3/32 Hex Head	SWH-332-DS	1 Piece
Calibration Data, USB Drive	STQ-TO-10-U3-U	1 Piece

Electrical and Mechanical Specifications:

Item	Specification
Fixed Load VSWR	1.065:1 (Max)
Fixed Load Power Handling	1.0 Watts (Max)
Sliding Load VSWR	1.065:1 (Max)
Sliding Load Power Handling	0.5 Watts (Max)
Total Number of Included Hardware	11
Waveguide Material	Brass
Waveguide Finish	Gold Plated, MIL-G-45204 or ASTM B488
Weight	58.5 Oz [1,658 g]
Size	12.6" [320 mm] x 7.9" [200 mm] x 3.2" [80 mm]
Outline	TO-W-CKIT-CE1

SAGE Millimeter, Inc.