



## 2.92 mm Coaxial Vector Analyzer Calibration Kit, DC to 40 GHz

### Description:

**Model STQ-TO-KFKM-U3-CKIT1** is a 2.92 mm coaxial vector network analyzer (VNA) calibration kit designed to work with industry standard network analyzers in the frequency range of DC to 40 GHz. The calibration kit consists of 2.92 mm male and female opens, shorts, matching loads, 2.92 mm male to male, male to female and female to female adapters, and a 5/16" Hex Torque wrench. It 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 2.92 mm Load with Male Connector	STQ-CM-KM27-U2	1 Piece
Metrology 2.92 mm Load with Female Connector	STQ-CM-KF27-U2	1 Piece
Metrology 2.92 mm Open with Male Connector	STQ-CO-KM-U2	1 Piece
Metrology 2.92 mm Open with Female Connector	STQ-CO-KF-U2	1 Piece
Metrology 2.92 mm Short with Male Connector	STQ-CR-KM-U2	1 Piece
Metrology 2.92 mm Short with Female Connector	STQ-CR-KF-U2	1 Piece
Metrology 2.92 mm Male to Male Adapter	STQ-CT-KMKM-U2	1 Piece
Metrology 2.92 mm Female to Male Adapter	STQ-CT-KFKM-U2	1 Piece
Metrology 2.92 mm Female to Female Adapter	STQ-CT-KFKF-U2	1 Piece
Metrology 5/16" Hex Torque Wrench (3.5 mm)	STQ-CH-08008-U2	1 Piece
Calibration Data, USB Drive	STQ-TO-KFKM-U3-U	1 Piece

### Electrical and Mechanical Specifications:

Item	Specification
Load VSWR	1.17:1 (Max)
Load Power Handling	0.5 Watts (Max)
Open Phase Error	±6° (Max)
Short Phase Error	±4.5° (Max)
Adapter VSWR	1.12:1 (Max)
Total Number of Included Hardware	10
Connector Contact Material	Beryllium Copper (BeCu)
Product Finish	Gold Plated, MIL-G-45204 or ASTM B488
Weight	55 Oz [1,550 g]
Size	12.6" [320 mm] x 7.5" [190 mm] x 3.2" [80 mm]
Outline	TO-C-CKIT-CE1

