



1.85 mm Coaxial Vector Analyzer Calibration Kit, DC to 67 GHz

Description:

Model STQ-TO-VFVM-U3-CKIT1 is a 1.85 mm coaxial vector network analyzer (VNA) calibration kit designed to work with industry standard network analyzers in the frequency range of DC to 67 GHz. The calibration kit consists of 1.85 mm male and female opens, shorts, matching loads, 1.85 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 1.85 mm Load with Male Connector | STQ-CM-VM27-U2 | 1 Piece |
| Metrology 1.85 mm Load with Female Connector | STQ-CM-VF27-U2 | 1 Piece |
| Metrology 1.85 mm Open with Male Connector | STQ-CO-VM-U2 | 1 Piece |
| Metrology 1.85 mm Open with Female Connector | STQ-CO-VF-U2 | 1 Piece |
| Metrology 1.85 mm Short with Male Connector | STQ-CR-VM-U2 | 1 Piece |
| Metrology 1.85 mm Short with Female Connector | STQ-CR-VF-U2 | 1 Piece |
| Metrology 1.85 mm Male to Male Adapter | STQ-CT-VMVM-U2 | 1 Piece |
| Metrology 1.85 mm Female to Male Adapter | STQ-CT-VFVM-U2 | 1 Piece |
| Metrology 1.85 mm Female to Female Adapter | STQ-CT-VFVF-U2 | 1 Piece |
| Metrology 5/16" Hex Torque Wrench | STQ-CH-08008-U2 | 1 Piece |

Electrical and Mechanical Specifications:

| Item | Specification |
|-----------------------------------|---|
| Load VSWR | 1.15:1 (Max) |
| Load Power Handling | 0.5 Watts (Max) |
| Open Phase Error | ±2.25° (Max) |
| Short Phase Error | ±2.0° (Max) |
| Adapter VSWR | 1.25:1 (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 |

