



2.92mm SOL VNA Calibration Kit up to 40 GHz, Including Short Circuit, Open Circuit, and Load

Fairview Microwave's 2.92mm 40 GHz VNA calibration kit is used to calibrate a Vector Network Analyzer (VNA) and associated test setup, thus removing the test instrumentations influence on the device under test (DUT) and allowing the best possible error-free characterization of the DUT. The FMCK1017 SOL cal kit includes 2.92mm male and female fully-characterized Short Circuits, Open Circuits, and Fixed Loads used in a standard multi-port VNA calibration process. In addition to the RF calibration standards, a fixed torque break-over style torque wrench and a set of open-ended wrenches are included for use in mating and de-mating calibration components. Component correction factors have also been documented and are supplied in this VNA calibration kit datasheet. The data file may be downloaded from the FMCK1017 product page on Fairview Microwave's web site or requested by contacting technical support.

A properly performed n-port SOL calibration allows for full characterization of the VNA test ports. RF calibrations performed using high-quality VNA test cables effectively extends the vector network analyzer test ports to the end of the cables, and this allows for greater flexibility when characterizing a product under

Available in-stock and ships same day!

Configuration

Connector Frequency Range 2.92mm DC to 40 GHz



Features:

- · SOL or SOLT versions available
- Cal kit definition files for Keysight, Rohde & Schwarz, and Anritsu VNAs
- Works with all major VNAs
- Protective wooden case for safe storage of components
- Torque wrench and tools included

Applications:

- Calibration of Vector Network Analyzers
- Research and development
- Aerospace and defense
- · Production test environments

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Electrical Specifications for FMCK1017 2.92mm Devices

Item		Part Number		Specifications		Frequency (GHz)		
Terminat Female Male	ion	FMTR FMTR		1.02 M 1.12 M			 	o 4 GHz 40 GHz
Short Female Male		FMSC FMSC		± 2.0° (DC	to 40
Open Female Male		FMSC:		± 1.5° deviation from nominal		to 40		





FMSC3012 2.92mm Female Short Specifications







FMSC3013 2.92mm Male Short Specifications







FMSC3027 2.92mm Female Open Specifications

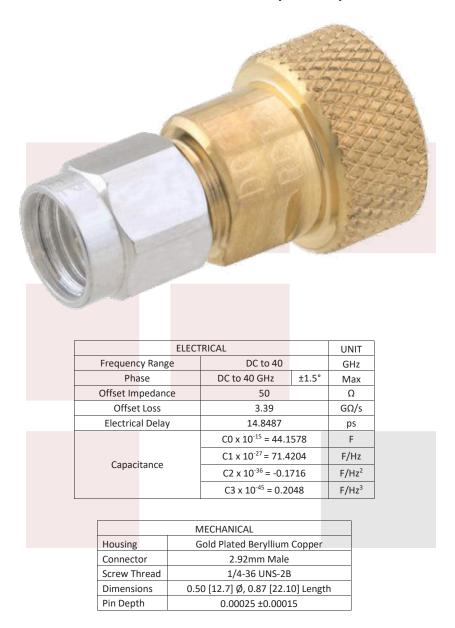


		MECHANICAL				
	Housing	Gold Plated Beryllium Copper				
	Connector	2.92mm Female				
Screw Thread		1/4-36 UNS-2A				
	Dimensions	0.50 [12.7] Ø, 0.83 [21.08] Length				
Pin Depth		0.00025 ±0.00020				





FMSC3028 2.92mm Male Open Specifications







FMTR1057 2.92mm Female Termination Specifications







FMTR1058 2.92mm Male Termination Specifications







General Instructions and Usage Notes

#	Notes					
1	Keep provided protective blue caps installed when not in use.					
2	Store in climate controlled environment.					
3	Always keep connectors clean.					
4	Avoid touching the connector interface.					
5	Use caution when handling.					
6	For female components, do not insert male pin greater than 0.037" [.94 mm]. Failure to comply will result in damage to the female connector.					
7	When mating, always ensure that the components to be interconnected remain in a fixed position while rotating only the coupling nut slowly to mate the connectors.					
8	When de-mating, always ensure that the interconnected components remain in a fixed position while rotating only the coupling nut slowly to de-mate the connectors.					
9	Visually inspect the connector threads prior to use. If needed, clean the center conductor pin and outer conductor with alcohol to remove any debris that may be present. Be sure to apply the alcohol in a circular motion with a lint-free cloth or applicator.					
10	Use at room temperature.					

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

• Values at 25 °C, sea level





2.92mm SOL VNA Calibration Kit up to 40 GHz, Including Short Circuit, Open Circuit, and Load from Fairview Microwave is instock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Lewisville, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: 2.92mm SOL VNA Calibration Kit up to 40 GHz, Including Short Circuit, Open Circuit, and Load FMCK1017

URL: https://www.fairviewmicrowave.com/2.92mm-short-open-load-sol-analyzer-calibration-kit-40ghz-fmck1017-p.aspx

