

3.5mm Female Load Calibration Kit Component for General Purpose Up to 8.5 GHz

The new FMTR1002 from Fairview Microwave is designed to withstand daily use in high-traffic environments such as in the testing lab or on the production floor. This cost effective calibration kit component provides reliable and accurate instrument tuning for all of your test and measurement requirements. Fairview Microwave carries a broad selection of off-the-shelf calibration kits and T&M components all of which ship the same day you order them.

Configuration

Connector	3.5mm Female
Component Type	Load
Impedance	50 Ohms
Frequency Range	DC to 8.5 GHz

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC - 8500			MHz
Impedance	50			Ohm
Return Loss, DC-3000 MHz	40	42		dB
Return Loss, 3001 - 8500 MHz	36	38		dB

Mechanical Specifications

Item	Description	Units
Housing	Phosphor Bronze	
Connector	50 Ohm 3.5mm Female	
Connector Screw Thread	1/4"-36 UNS	Inch
Dimensions	0.473 [12] ϕ , 1.004 [25.5] L	Inch [mm]
Net Weight	13	g



Features:

- Functional from DC to 8.5 GHz
- See FMCK1001 for full standard kit which includes (8) 3.5mm short-open-load-thru (SOLT) components
- Suitable for many 50 Ohm network analyzers including, but not limited to:
- Agilent / HP (8711/8712, 8713/8714, 8753, E5061A, E5062A, E5061B, E5071C, E5072A)
- Anritsu / Advantest (MS2028S, MS2026S, MS2025S, MS2024S, MS2038C, MS2036C, MS2035B, MS2034B, MS4640B, R3755A, R3760)
- Copper Mountain (5048, 804, 304, 818, 814)
- Deviser (NA7300A, NA7100A)
- EI41(AV3656A)
- OuFu (OF7631A, OF7633A)
- PNA (PNA3766, PNA3767)
- Rohde & Schwarz (ZVL, ZVC, ZVB)
- Tianda (TD3616C, TD3617E, TD3618C, TD3619C)

Applications:

- VNA, Full 2-Port CAL
- VNA, Thru CAL
- VNA, Substitution CAL Method
- Test & Measurement
- Lab Equipment Accessories
- Engineering Test and Evaluation
- General Purpose Test and Evaluation

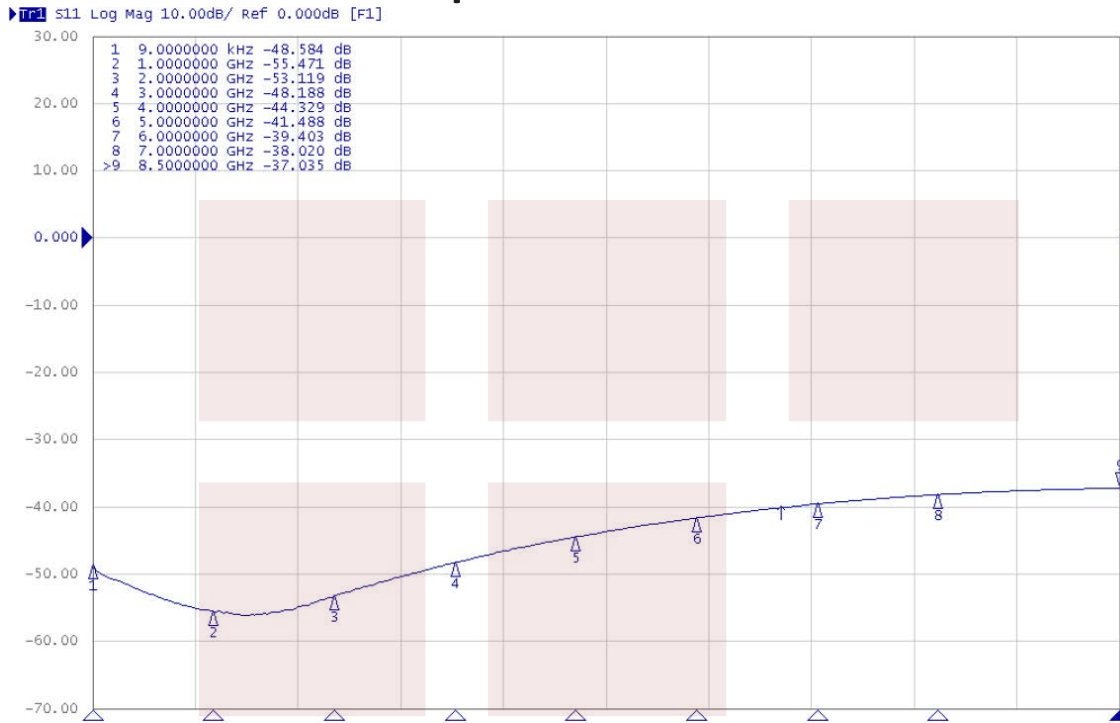
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General Instructions and Usage Notes

#	Notes
1	Keep provided protective red 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.
11	Torque wrench provided is intended for 3.5mm connector types and is calibrated to 8 in-lbs.

Typical Performance Data

FMTR1002 Return Loss
Span: 8.5 GHz



Compliance Certifications (visit www.FairviewMicrowave.com for current document)

RoHS Compliant Yes
 REACH Compliant 06/16/2014

Plotted and Other Data

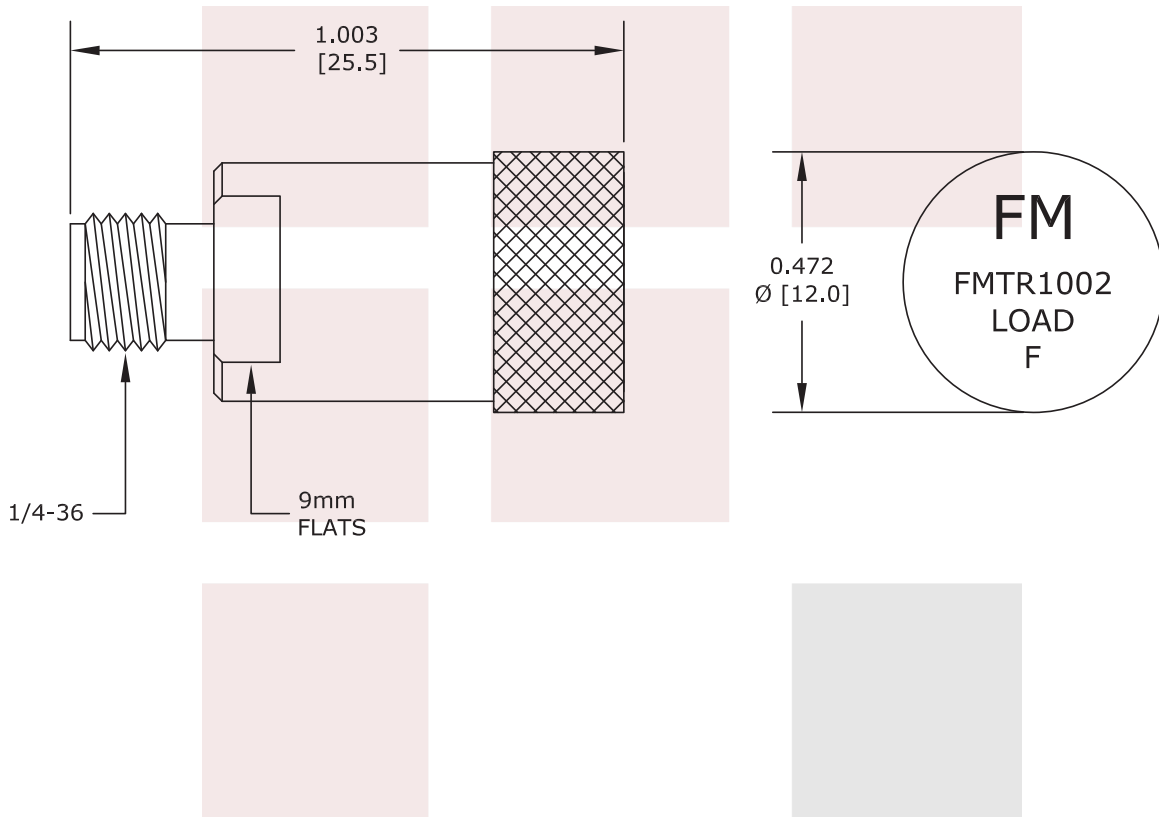
- Notes:
 • Values at 25 °C, sea level

3.5mm Female Load Calibration Kit Component for General Purpose Up to 8.5 GHz from Fairview Microwave is in-stock 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 Allen, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [3.5mm Female Load Calibration Kit Component for General Purpose Up to 8.5 GHz FMTR1002](#)

URL: <http://www.fairviewmicrowave.com/50ohm-3.5mm-female-calibration-kit-component-load-8.5-ghz-fmtr1002-p.aspx>

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TITLE 3.5mm Female Load Calibration Kit Component for General Purpose Up to 8.5 GHz		DWG NO FMTR1002		CAGE CODE 3FKR5	
		CAD FILE 012815	SHEET	SCALE N/A	SIZE A 2233