

Compact 3.5 mm Cal. Kits

All-in-One
DC to 9 GHz



Microwave Farm's Compact 3.5 mm Calibration Kit offers excellent performance characteristics for fine-tuning in production environments and quality testing facilities using 50 ohm 3.5 mm connectors from DC to 9 GHz. This Cal. Kit includes all needed calibration standard (open, short, load, through) with Female and Male type in one unit and torque wrench. It is best solution available for easy of use in VNA calibration, especially in the field.



■ Features

- DC to 9 GHz
- Standard kit included 3.5 mm (Female, Male) Open-Short-Load-Through
- Torque Wrench (8 mm, 0.9 N·m)

■ Application

- VNA, Full 2-port CAL.
- Test & Measurement
- Precision Calibration

■ Specification

Scope	Items	Part No. : MFWW35MT
Electrical	Freq. range	DC to 9 GHz
	Impedance	50 Ohm
	Return loss	LOAD : < 38 dB
	Phase deviation(OPEN,SHORT)	< 1.5 degrees
Mechanical	Connector type	3.5 mm (Female) 3.5 mm (Male)
	Housing	Stainless steel

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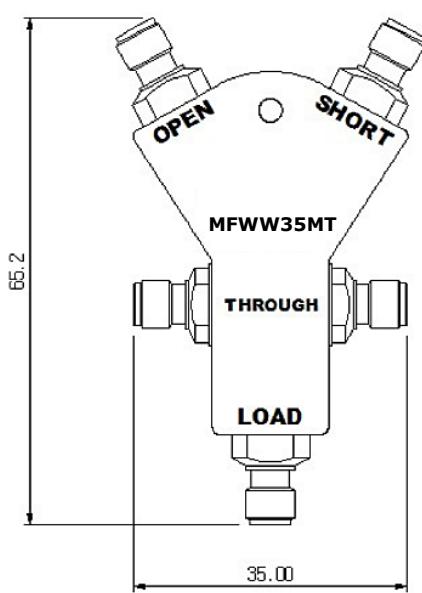
Calibration Coefficient

Type	Cal. Coefficient
OPEN	C0 $49.43 \times 10^{-15} \text{F}$
	C1 $-310.13 \times 10^{-27} \text{F/Hz}$
	C2 $23.17 \times 10^{-36} \text{F/Hz}^2$
	C3 $-0.16 \times 10^{-45} \text{F/Hz}^3$
	Offset delay 29.243 ps
	Offset Loss 2.2 GΩ/s
SHORT	L0 $2.0765 \times 10^{-12} \text{H}$
	L1 $-108.54 \times 10^{-24} \text{H/Hz}$
	L2 $2.1705 \times 10^{-33} \text{H/Hz}^2$
	L3 $-0.01 \times 10^{-42} \text{H/Hz}^3$
	Offset delay 31.785 ps
	Offset Loss 2.36 GΩ/s
THROUGH	Electrical delay 107.9 ps

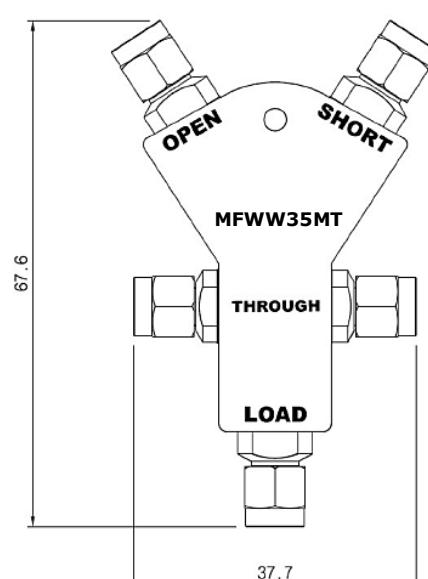
Drawing

Unit : mm

Female Type



Male Type



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Contents Information



Index	Description	Part No
1	3.5 mm Cal.Kit (All-in-One): Female type	MFWW35MT(F)
2	3.5 mm Cal.Kit (All-in-One): Male type	MFWW35MT(M)
3	Torque Wrench (8 mm, 0.9 N·m)	MFTW-01