

**Withwave's Compact 3.5 mm Calibration Kits** offers excellent performance characteristics that is specially designed for the fine-tuning in production environments and quality testing facilities using 50 ohm 3.5 mm connectors from DC to 9 GHz.

This Cal. Kit include all needed calibration standard (Open, Short, Load) in one unit. It is best solution for comfortable handling during the calibration of VNA, specially in field use.



### ■ Features

- DC to 9 GHz
- Standard kit included 3.5 mm (Female, Male) OPEN-SHORT-LOAD

### ■ Application

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

### ■ Specification

Scope	Items	Part No. : WW35M
Electrical	Freq. range	DC to 9 GHz
	Impedance	50 Ohm
	Return loss	LOAD : < -38 dB
	Phase deviation(OOPEN,SHORT)	< 1.5 degrees
Mechanical	Connector type	3.5 mm (Female) 3.5 mm (Male)
	Housing	Stainless steel
	Weight	44 g

## ■ Calibration Coefficient

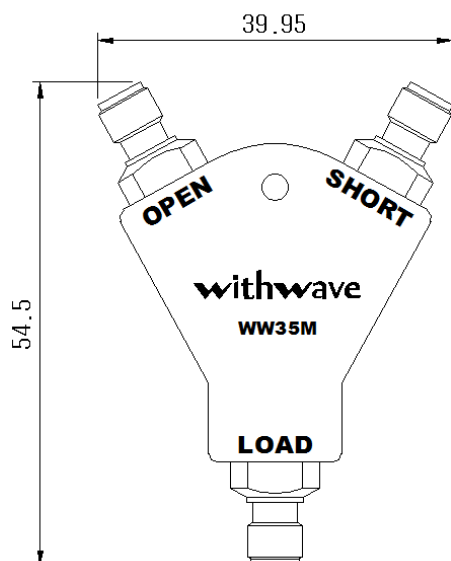
Type	Cal. Coefficient	
OPEN	C0	$49.43 \times 10^{-15} \text{F}$
	C1	$-310.13 \times 10^{-27} \text{F/Hz}$
	C2	$23.17 \times 10^{-36} \text{F/Hz}^2$
	C3	$-0.16 \times 10^{-45} \text{F/Hz}^3$
	Offset delay	29.243 ps
	Offset Loss	2.2 GΩ/s
SHORT	L0	$2.0765 \times 10^{-12} \text{H}$
	L1	$-108.54 \times 10^{-24}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

## ■ Drawing

Unit : mm

**Part No: WW35M(F)**

**Female Type**



**Part No: WW35M(M)**

**Male Type**

