Compact N-Type Cal. Kits

3-in-1
DC to 6,8 GHz

withwave
Versatile RF & MW Test Solutions

Withwave's Compact N-Type Calibration Kits offers excellent performance characteristics that is specially designed for the fine-tuning in production environments and quality testing facilities using 50 ohm N-type connectors from ***DC to 6, 8 GHz.***
This Cal. Kit include all needed calibration standard (Open, Short, Load) in one unit. It is best solution for available for ease of use in VNA calibration, especially in the field.

Features

- DC to 6, 8 GHz
- Standard kit included N-type (Male) OPEN-SHORT-LOAD

Application

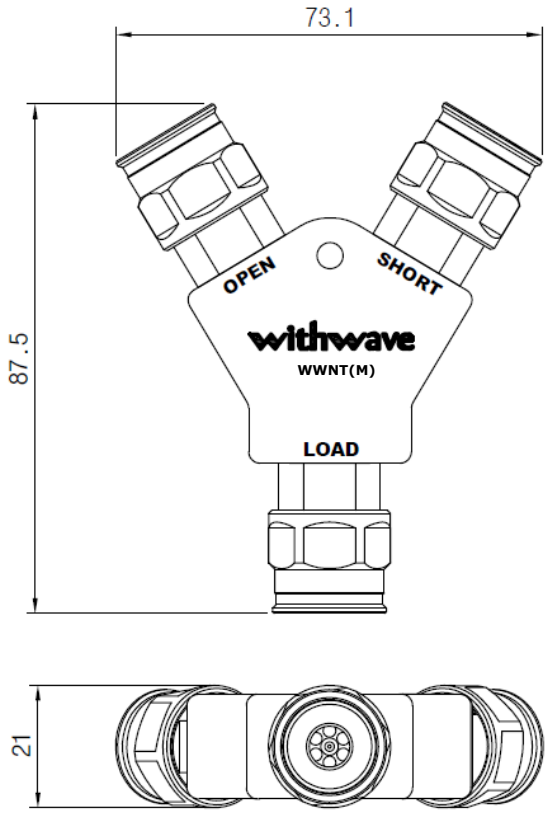
- VNA, Full 2-port CAL.
- Test & Measurement
- Precision Calibration

Specification

Scope	Items	WWNT(M)	WWNT(M)-8G
Electrical	Freq. range	DC to 6 GHz	DC to 8 GHz
	Impedance	50 Ohm	
	Return loss (LOAD)	< -38 dB (DC to 6 GHz)	< -42 dB (DC to 6 GHz) <-37 dB (6 to 8 GHz)
	Phase deviation (OPEN,SHORT)	< 1.5 degrees	
Mechanical	Connector type	N-Type (Male)	
	Housing	Stainless steel	
	Weight	177 g	

Calibration Coefficient

Type		Cal. Coefficient
OPEN	C0	89.939×10^{-15}F
	C1	2536.80×10^{-27}F/Hz
	C2	-264.990×10^{-36}F/Hz^2
	C3	13.4×10^{-45}F/Hz^3
	Offset delay	40.856 ps
	Offset Loss	0.93 GΩ/s
SHORT	L0	3.3998×10^{-12}H
	L1	$-496.4808 \times 10^{-24}$H/Hz
	L2	34.8314×10^{-33}H/Hz^2
	L3	-0.7847×10^{-42}H/Hz^3
	Offset delay	45.955 ps
	Offset Loss	1.087 GΩ/s

Drawing

Unit : mm