

**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

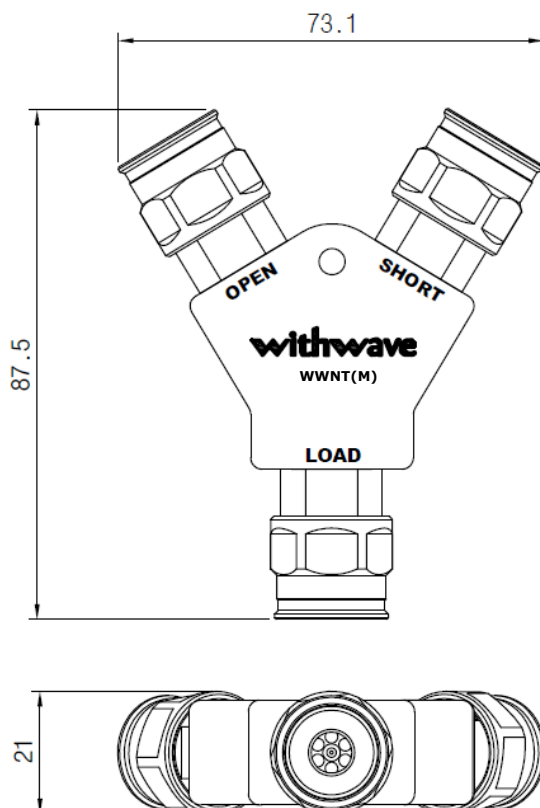
### ■ Specification

| 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)<br>< -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               | $89.939 \times 10^{-15} \text{F}$        |
|       | C1               | $2536.80 \times 10^{-27} \text{F/Hz}$    |
|       | C2               | $-264.990 \times 10^{-36} \text{F/Hz}^2$ |
|       | C3               | $13.4 \times 10^{-45} \text{F/Hz}^3$     |
|       | Offset delay     | 40.856 ps                                |
|       | Offset Loss      | 0.93 GΩ/s                                |
| SHORT | L0               | $3.3998 \times 10^{-12} \text{H}$        |
|       | L1               | $-496.4808 \times 10^{-24} \text{H/Hz}$  |
|       | L2               | $34.8314 \times 10^{-33} \text{H/Hz}^2$  |
|       | L3               | $-0.7847 \times 10^{-42} \text{H/Hz}^3$  |
|       | Offset delay     | 45.955 ps                                |
|       | Offset Loss      | 1.087 GΩ/s                               |

## ■ Drawing



Unit : mm