

## Product Datasheet - Technical Specifications



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### Your contact

Technical and commercial sales, price information,  
quotations, demo/test equipment, consulting:

Tel.: **+49 - (0)81 41 - 52 71-0**

E-Mail: [sales@meilhaus.com](mailto:sales@meilhaus.com)

**Meilhaus Electronic GmbH**  
Am Sonnenlicht 2  
82239 Alling/Germany

Tel. **+49 - (0)81 41 - 52 71-0** E-  
Mail [sales@meilhaus.com](mailto:sales@meilhaus.com)

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## N-Male VNA calibration kit, 6 GHz

### 1 Introduction

The TBVC-NM6 is a calibration kit for Vector Network Analyzers. It contains an Open, a Short, a Load and a Through. It is used for OSLT calibration in the frequency range DC - 6 GHz.



Picture 1: TBVC-NM6

### 2 Specification

#### **Load:**

N- Male  
 $Z = 50 \Omega$   
Return loss > 35 dB

#### **Short:**

N- Male  
 $Z = 50 \Omega$   
Delay = 17.847 ps  
Loss = 8.56 GΩ/s  
 $L_0 = -4.41 \text{ pH}$   
 $L_1 = -1.1\text{e-}22 \text{ H/Hz}$   
 $L_2 = -3.0\text{e-}32 \text{ H/Hz}^2$   
 $L_3 = -4.2\text{e-}43 \text{ H/Hz}^3$

#### **THROUGH:**

N- Male  
 $Z = 50 \Omega$   
Loss = 2.92 GΩ/s  
Delay = 138.106 ps

#### **Open:**

N- Male  
 $Z = 50 \Omega$   
Delay = 20.554 ps  
Loss = 1.9 GΩ/s  
 $C_0 = -1.75 \text{ fF}$   
 $C_1 = 1.95\text{e-}25 \text{ fF/Hz}$   
 $C_2 = 2.3\text{e-}35 \text{ fF/Hz}^2$   
 $C_3 = 2.42\text{e-}45 \text{ fF/Hz}^3$

Frequency range: DC – 6 GHz  
Box dimensions: 145 mm x 145 mm x 55 mm  
Weight: 450 g

## N-Male VNA calibration kit, 6 GHz

The calibration kit file is pre-installed with our TBVNA-6000 software and can be downloaded separately from our website.

### 3 Ordering Information

Part Number	Description
TBVC-NM6	N- male OSLT VNA calibration kit, 6 GHz

### 4 History

Version	Date	Author	Changes
V 1.0	2.5.2025	Mayerhofer	Creation