

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

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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