

# 3.5mm VNA Calibration Kit (DC - 26.5 GHz) - MTC-31121



## Details

### Features:

- o 3.5mm Coaxial Port
- o Fixed Load

### General Description:

The MTC-31121 3.5mm coaxial calibration kit is a kind of instrument calibration kit, which can satisfy all demands except measure laboratory. It can be used to calibrate vector network analyzer with 3.5mm port. The kit contains the following items:

Serial Number	Model	Name	amount	remark
1	MTC-81815	3.5mm male open	1	
2	MTC-81816	3.5mm female open	1	
3	MTC-81817	3.5mm male short	1	
4	MTC-81818	3.5mm female short	1	
5	MTC-70505	3.5mm female load	1	
6	MTC-70506	3.5mm male load	1	
7	MTC-71109	3.5mmKK adapter	1	
8	MTC-71110	3.5mmJJ adapter	1	
9	MTC-71111	3.5mmJK adapter	1	
10		3.5mm torque wrench	1	

### Specifications:

**1. Electrical Specifications** (Temperature:  $23\pm 3^{\circ}\text{C}$ ?Frequency Range: DC-26.5GHz)

Model	Name	Specification
MTC-81815	3.5mm male open	Deviation from Nominal Phase $\pm 1.5^\circ$
MTC-81816	3.5mm female open	
MTC-81817	3.5mm male short	Deviation from Nominal Phase $\pm 1.5^\circ$
MTC-81818	3.5mm female short	
MTC-70505	3.5mm female load	VSWR $\leq 1.055$
MTC-70506	3.5mm male load	
MTC-71109	3.5mmKK adapter	VSWR $\leq 1.106$
MTC-71110	3.5mmJJ adapter	
MTC-71111	3.5mmJK adapter	
	3.5mm torque wrench	Torque Setting 90 N.cm $\pm 2.7$ N.cm

## 2. Environmental Requirements

Operating temperature: 23°C $\pm 3^\circ$ C

Storage temperature: -20°C to +70°C

### Ordering Information:

MTC-31121	3.5mmCoaxial Calibration Kit
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Notes:

1. WHEN USING, PLEASE ADOPT ELECTROSTATIC SENSITIVE DEFENSE STEP.
2. BEFORE USING, INSPECT THE CONNECTOR TO MAKE SURE NO PARTICLES OR RESIDUE ARE PRESENT; PLEASE INSURE PIN DEPTH OF DEVICES CONNECTED TO BE UP TO THE STANDARD.
3. WHEN USING, DO NOT TURN THE DEVICE BODY. ONLY TURN THE CONNECTOR NUT. DAMAGE TO THE CENTER CONDUCTOR CAN OCCUR IF THE DEVICE BODY IS TWISTED.
4. USING A TORQUE WRENCH GUARANTEES THAT THE CONNECTION IS NOT TOO TIGHT, PREVENTING POSSIBLE CONNECTOR DAMAGE.
5. WHEN NOT IN USE, PLEASE INSTALL THE PROTECTIVE END CAPS AND STORE THE CALIBRATION DEVICES IN THE FOAM-LINED STORAGE CASE.

6. PLEASE VERIFY THE PERFORMANCE OF YOUR CALIBRATION KIT IN A PERIOD OF TIME BY THE QUALIFIED.

7. PRODUCT SPECIFICATIONS AND DESCRIPTIONS IN THIS DOCUMENT ARE SUBJECT TO CHANGE WITHOUT NOTICE.