ZeenKo

VNA Calibration Kit

N Female Connector, DC~6GHz, Economic Type

Impedance: 50Ω

Frequency: DC-6GHz

Type N, interface dimensions comply with IEC 60169-16

Applicable Calibration Method: Fixed Load SOLT Calibration

Electrical Data

Temperature is 25℃, sea level

Open	Return loss：≤0.1dB Phase Accuracy：≤±1°
Short	Return loss：≤0.1dB Phase Accuracy：≤±1°
Load	VSWR: ≤1.035 / Return Loss ≥35dB Power Capacity: Pmax (CW) = 0.5W
THROUGH	VSWR: ≤1.05 / Return Loss ≥32dB

* Phase accuracy relative to calibration Definitions .

Model

ZKVC06NFE

OPEN(F)
SHORT(F)
LOAD(F)
THROUGH(F/F)

Mechanical Data

- Durability : ⩾500
- Connection Torque: 1.3~1.7Nm
- Recommended Torque: 1.35Nm

Environmental Data

- Storage Temperature: -40 ~ +85℃
- Operating Temperature: +15 ~ +35℃

RoHS Compliant

N Female Connector, DC~6GHz, Economic Type

Material

Description		Model	Material
OPEN	Female	N06E-OF	Inner Conductor: Gold plated beryllium copper Outer Conductor: Passivated stainless steels
SHORT	Female	N06E-SF	Inner Conductor: Gold plated beryllium copper Outer Conductor: Passivated stainless steels
LOAD	Female	N06E-LF	Inner Conductor: Gold plated beryllium copper Outer Conductor: Passivated stainless steels
THROUGH	N(F)-N(F)	T6565B-21	Inner Conductor: Gold plated beryllium copper Outer Conductor: Passivated stainless steels
Storage Box		HW02C3	High Density Fiberboard

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Calibration Kit Definitions

Open

		Female
Z0		50Ω
Fringing Capacitances	C0 F(e-15)	119.09
	C1 F(e-27)/Hz	-36.955
	C2 F(e-36)/Hz²	26.258
	C3 F(e-45)/Hz3	5.5136
Offset Delay（ps）		0
Offset length（mm）		0
Offset Loss	Gohm/Sec	0.7
	$dB/\sqrt{GHz}$	0
	dB/mm@1GHz	2.0e-4

Short

		Female
Z0		49.992Ω
Short Inductance	L0 H(e-12)	0
	L1 H(e-24)/Hz	0
	L2 H(e-33)/Hz²	0
	L3 H(e-42)/Hz3	0
Offset Delay（ps）		0.093
Offset length（mm）		0.028
Offset Loss	Gohm/Sec	0.7
	$dB/\sqrt{GHz}$	0.00001
	dB/mm@1GHz	2.0e-4

Load

Z0	50Ω
Offset Delay	0 ps
Offset length	0 mm
Offset Loss	0Gohm/Sec 0 $dB/\sqrt{GHz}$ 0 dB/mm

Thru

Z0	50Ω
Connector Port1	Type N female
Connector Port2	Type N female
Offset Delay	60.64 ps