

N Male 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

ZKVC06NME

OPEN (M)
SHORT (M)
LOAD (M)
THROUGH (M/M)

Mechanical Data

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

Environmental Data

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



N Male Connector, DC~6GHz, Economic Type

Material

Description		Model	Material
OPEN	Male	N06E-OM	Inner Conductor: Without inner conductor Outer Conductor: Passivated stainless steels
SHORT	Male	N06E-SM	Inner Conductor: Passivated stainless steels Outer Conductor: Passivated stainless steels
LOAD	Male	N06E-LM	Inner Conductor: Gold plated beryllium copper Outer Conductor: Passivated stainless steels
THROUGH	3.5mm (M)-3.5mm (M)	T6565A-21	Inner Conductor: Gold plated beryllium copper Outer Conductor: Passivated stainless steels
Storage Box		HW02C3	High Density Fiberboard

N Male Connector, DC~6GHz, Economic Type

Calibration Kit Definitions

Open

		Male
Z0		50Ω
Fringing Capacitances	C0 F(e-15)	62.14
	C1 F(e-27)/Hz	-143.07
	C2 F(e-36)/Hz²	82.92
	C3 F(e-45)/Hz³	0.76
Offset Delay (ps)		17.411
Offset length (mm)		5.216
Offset Loss	Gohm/Sec	0.7
	dB/√GHz	0.0021
	dB/mm@1GHz	2.0e-4

Short

		Male
Z0		50.209Ω
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)		17.817
Offset length (mm)		5.336
Offset Loss	Gohm/Sec	2.1002
	dB/√GHz	0.0065
	dB/mm@1GHz	6.1e-4

Load

Z0	50Ω
Offset Delay	0 ps
Offset length	0 mm
Offset Loss	0Gohm/Sec 0 dB/√GHz 0 dB/mm

Thru

Z0	50Ω
Connector Port1	Type N male
Connector Port2	Type N male
Offset Delay	128.3 ps