

## CCK06N

### 6GHz 50Ω N Type Mechanical Calibration Kit

#### Overview

The 6GHz CALKIT is used to calibrate network analyzers for measurements of components with N type connectors. The Frequency Range is DC~6GHz.

Model #	Description	Qty
CNM06OC	Open (male)	1
CNF06OC	Open (female)	1
CNM06SC	Short (male)	1
CNF06SC	Short (female)	1
CCLDC06MC	Load (male)	1
CCLDC06FC	Load (female)	1
CNM-NM06C	Adapter (male to male)	1
CNF-NF06C	Adapter (female to female)	1
CNM-NF06C	Adapter (male to female)	1
CTWN	Torque Wrench	1
	Box	1

#### Interface Dimensions



	mm		inchs	
	Min.	Max.	Min.	Max.
a	6.99	7.01	0.2751	0.2761
b	7.98	8.04	0.3140	0.3165
d	3.04		0.120	
e	5.26	5.30	0.2070	0.2086
p	1.638	1.664	0.0645	0.0655
q	—	0.076	—	0.003

	mm		inchs	
	Min.	Max.	Min.	Max.
a	6.99	7.01	0.2751	0.2761
b	8.05	8.1	0.317	0.319
d	3.04		0.120	
e	5.22	5.26	0.2055	0.2070
f	9.07	9.17	0.357	0.361
s	7	—	0.2755	—
ae	1.80	1.91	0.071	0.075

## Electrical Specifications

- ◇ Impedance : 50Ω
- ◇ Average Power : ≤1W
- ◇ Electrical Specifications :

Description	Frequency	Specifications
loads	DC~6GHz	Return Loss -38dB    VSWR 1.025
opens	DC~6GHz	Deviation from Nominal Phase±0.8°
shorts	DC~6GHz	Deviation from Nominal Phase±0.8°
adapters	DC~9GHz (operating up to 18GHz)	Return loss: -32dB, VSWR: -1.05, Insertion loss: 0.1dB

## Materials

- Center conductor : beryllium bronze
- Body : stainless steel
- Connector nut : stainless steel

## Standard

IEC 60169-16 Grade 0

## Mechanical Characteristic

- Connect/disconnect life : >500 times
- Maximum insertion force : 8.9N
- Coupling torque : 1.35 Nm
- Open-end wrench size : 19mm

## Environmental Requirements

Parameter	Limits
Operating Temperature	+20°C~ +26°C (suggested)
Storage Temperature	-40°C~ +75°C

