CCK09NM

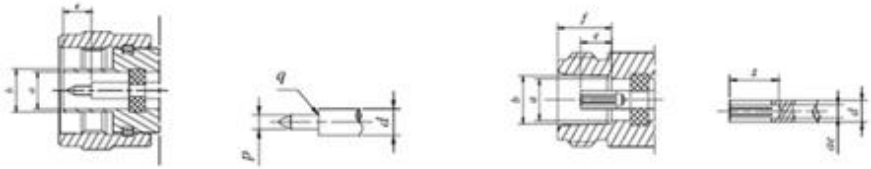
9GHz 50Ω N Type Mechanical Calibration Kit

Overview

The 9GHz CALKIT is used to calibrate network analyzers for measurements of components with N type connectors. The Frequency Range is DC~9GHz.

Model #	Description	Qty
CNM09OC	Open (male)	1
CNM09SC	Short (male)	1
CCLDC09MC	Load (male)	1
CNM-NM09C	Adapter (male to male)	1
CNF-NF09C	Adapter (female to female)	1
CNM-NF09C	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

CERNEXWAVE 1185 Bordeaux Drive, Suite A Sunnyvale, CA 94089 Tel. (408) 773-8855 Fax (408) 773-8858

Electrical Specifications

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

Description	Frequency	Specifications
loads	**DC~9GHz**	**Return Loss -36dB VSWR 1.032**
opens	**DC~9GHz**	**Deviation from Nominal Phase±0.8º**
shorts	**DC~9GHz**	**Deviation from Nominal Phase±0.8º**
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