

SCKCL67A1-1.85 1.85mm Coaxial Calibration Kit

Performance features:

- ◆ 1.85mm coaxial port
- ◆ Wide band: DC ~67GHz
- ◆ high performance
- ◆ Multiple short circuit forms, fixed load calibration



Product Introduction:

SCKCL67A1-1.85 The 1.85mm standard coaxial calibration kit is a high-performance calibration kit with an operating frequency of up to 67GHz. It is mainly used to calibrate vector network analyzers with 1.85mm ports.

No.	Item	Unit	Qty.
1	Short: 1.85mm (M)1	pc	1
2	Short: 1.85mm (M)2	pc	1
3	Short: 1.85mm (M)3	pc	1
4	Short: 1.85mm (M)4	pc	1
5	Short: 1.85mm (F)1	pc	1
6	Short: 1.85mm (F)2	pc	1
7	Short: 1.85mm (F)3	pc	1
8	Short: 1.85mm (F)4	pc	1
9	Open: 1.85mm (M)	pc	1
10	Open: 1.85mm (F)	pc	1
11	Load: 1.85mm (M)	pc	1
12	Load: 1.85mm (F)	pc	1
13	1.85mm JJ adaptor	pc	1
14	1.85mm JK adaptor	pc	1
15	1.85mm KK adaptor	pc	1
16	Torque Spanner	pc	1
17	Wrench	pc	1

Technical indicators:

1. Electrical performance indicators (Operating temperature: $23\pm 3^{\circ}\text{C}$, Operating frequency range: DC~67GHz)

No.	Type	Technical indicators

1	Low-side load return loss	$\geq 36\text{dB}$ (10MHz- 10GHz) $\geq 35\text{dB}$ (10GHz- 20GHz) $\geq 31\text{ dB}$ (20GHz- 35GHz)
2	Adapter Return Loss	$\geq 33\text{dB}$ (10MHz- 4GHz) $\geq 24\text{dB}$ (4GHz- 26.5GHz) $\geq 22\text{dB}$ (26.5GHz-50GHz) $\geq 20\text{dB}$ (50GHz- 67GHz)
3	Phase Shift (Open)	$\pm 2^\circ$ (10MHz- 50GHz) $\pm 3^\circ$ (50GHz- 67GHz)
4	Phase shift (Short)	short1: $\pm 2^\circ$ (10MHz- 67GHz) short2: $\pm 2.5^\circ$ (35GHz- 67GHz) short3: $\pm 2.5^\circ$ (45GHz- 67GHz) short4: $\pm 2.5^\circ$ (35GHz- 67GHz)
5	3.5mm torque wrench	Torque 90 N.cm \pm 2.7 N.cm

Note 1: The technical indicators of DC-10MHz are based on 10MHz and are not tested separately.

Note 2: The phase shift of open and short refers to the phase shift relative to the standard part.

2. Environmental adaptability

Operating temperature: 23°C \pm 3°C

Storage temperature: -20°C~ +70°C

Ordering Information:

SCKCL67A1-1.85	1. 85mm standard coaxial calibration kit
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Note:

1.Please take anti-static measures before use.

2.Before use, please check whether there are impurities on the device port surface, such as dust, cotton thread, metal debris, etc. These impurities have a great impact on the electrical performance of the device, so the device port surface needs to be cleaned.

3.Before use, please ensure that the needle depth of the device connected to the calibration component is normal. If the needle depth is abnormal, it may cause permanent damage to the calibration component connected to it.

4.When in use, try to use a torque wrench to tighten the screw sleeve to ensure that the device works properly.

5. When connecting the device in the calibration kit, please turn the screw sleeve of the device male port, and do not turn the calibration kit or the adapter. Otherwise, the service life of the device will be rapidly shortened.

6. When the calibration kit is not in use, please keep the components in the calibration kit properly. The components in the calibration kit must be protected from dust, moisture, and severe vibration. If the components in the calibration kit accidentally fall to the ground, please contact the after-sales service personnel or a qualified verification unit to confirm that the performance of the components is qualified before use.

7. Please measure the calibration parts regularly to ensure that they are in qualified condition when used.

8. The technical specifications of the above products are subject to change without notice.