

Picture shows similar calibration kit

Contents

Device	Part number	Quantity	Calibration Option ^a	
Open circuit plug	74S12L-001S3	1	FC	
Open circuit jack ^ь	74K12L-001S3	1	FC	
Short circuit plug	74S12S-001S3	1	FC	
Short circuit jack ^b	74K12S-001S3	1	FC	
Calibration load plug	74S150-C11S3	1	FC	
Calibration load jack ^b	74K150-C11S3	1	FC	
Calibration adaptor plug/plug	74S121-S21S3	1	FC	
Calibration adaptor jack/jack ^b	74K121-K21S3	1	FC	
Calibration adaptor plug/jack ^c	74S121-K22S3	2	FC	
Combi wrench	53W011-000	1	-	
Torque wrench	74W021-000	1	FC	

a.

See "Declaration of calibration options" for explanation. Permitted male pin diameter 0.76 mm to 0.86 mm. Connecting a F plug with larger male pin diameter will damage female contact fingers of this device. Use "full range adaptor" 74S121-K22S3 instead. Permitted full range male pin diameter 0.64 mm to 1.13 mm according to IEC 61169-24 b.

c.

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Technical Data Sheet		Rosenberger
F 75 Ω	74CK011-170	
USB Stan (Roh	delivered with - Stick dard Definitions as data files for Vector de&Schwarz). Calibration Certificate as dard Definitions Cards	Network Analyzer Families PNA (Keysight/Agilent) and ZVA PDF-file.

Operating Manual

Electrical specifications

This specification covers electrical key specifications for the calibration standards of the calibration kit. Specific and more detailed datasheets are available for each kit device among the part number.

Calibration standard	Frequency	Parameter	Specification	
Opens ^d	DC to \leq 4 GHz	Error from	≤ 1.0°	
(plug and jack)	> 4 GHz to \leq 6 GHz	Nominal Phase	≤ 1.5°	
Shorts ^d	DC to \leq 4 GHz	Error from	≤ 1.0°	
(plug and jack)	> 4 GHz to \leq 6 GHz	Nominal Phase	≤ 1.5°	
Calibration loads	DC to \leq 4 GHz	Return Loss	≥ 40 dB	
(plug and jack)	> 4 GHz to \leq 6 GHz		≥ 35 dB	
Calibration adaptors	DC to \leq 4 GHz	Return Loss	≥ 32 dB	
(plug/plug and jack/jack)	> 4 GHz to \leq 6 GHz		≥ 30 dB	
Calibration adaptors (plug/jack) "full range adaptor"	$\begin{array}{rrrr} DC & to &\leq 3 \ \text{GHz} \\ > 3 \ \text{GHz} & to &\leq 4 \ \text{GHz} \\ > 4 \ \text{GHz} & to &\leq 6 \ \text{GHz} \end{array}$	Return Loss	≥ 30 dB ≥ 27 dB ≥ 20 dB	

d. The specifications for opens and shorts are given as allowed deviation from nominal model as defined in calibration certificate included with your kit.

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Technical Data Sheet			Rosenberg			nberg	er	
F	Calibr	ation Kit				7401/044	470	
75 Ω		al Version				74CK011	-170	
Standard o individual available. Rohde & S	calibration r Model base Schwarz and d Calibratio	esults, traceab d standard defi d Anritsu compa	le to Rose nitions of th	nber g ne cal	ger libra	on. The Calibration C standards , national ation standards are re	/ international stand	ards are no
For further, r	more detailed i	nformation see app	lication note A	AN001	on t	he Rosenberger homepag	le.	
Calibratio	n interval							
Recommen	dation		12 m	nonth	s			
Recomme RPC-N (75)	ended ada to F	otor	RPC- RPC-	-N(75 -N(75)jaα)plι	:k – F plug P ıg – F jack P	5K174-K21S3 5K174-S21S3 5S174-K21S3 5S174-S21S3	
F to F				ıg – F	· ·		4S121-K21S3	
our part and r products, we re	no statement I eserve the righ	nerein shall be co t to make changes	nstrued as re judged to be	comme necess	enda sary		patents. In the effort to	improve our
Draft L Pabingor	Date	Approved	Date	Re		Engineering change nun		Date
		S. Andorfer		a0		19-s297	A. Youmsi	22.11.19 Page
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