TECHNICAL DATA SHEET		Rosenberger ®				
RPC-N 75 Ω CALIBRATIO INDUSTRIA	DN KIT L VERSION	P5CK10A-170				
Device	Part number	Quantity				
Open circuit plug	P5S12L-000S3	1				
Open circuit jack	P5K12L-000S3	1				
Short circuit plug	P5S12S-000S3	1				
Short circuit jack	P5K12S-000S3	1				
Broadband load plug	P5S150-C10CS	1				
Provdband load jack	P5K150-C10CS	1				

53W009-000

Torque wrench

RF_35/12.04/3.0

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TECHNICAL DATA SHEET

Rosenberger[®]

RPC-N 75 Ω CALIBRATION KIT INDUSTRIAL VERSION

P5CK10A-170

Electrical specifications

This specifications covers typical electrical values for the main items of the Calibration Kit. Specific datasheets are available for each component among the part number.

Device	Frequency in GHz	Parameter	Specification	
Opens ^a (plug and jack)	DC to ≤ 2 > 2 to ≤ 4 DC to ≤ 2 > 2 to ≤ 4	Return Loss Return Loss Deviation from Nominal Phase	$\leq 0.07 \text{ dB}$ $\leq 0.10 \text{ dB}$ $\leq 1.0^{\circ}$ $\leq 1.6^{\circ}$	
Shorts ^a (plug and jack)	DC to ≤ 2 > 2 to ≤ 4 DC to ≤ 2 > 2 to ≤ 4	Return Loss Return Loss Deviation from Nominal Phase	$\leq 0.07 \text{ dB}$ $\leq 0.10 \text{ dB}$ $\leq 0.8^{\circ}$ $\leq 1.2^{\circ}$	
Broadband loads (plug and jack)	DC to ≤ 2 > 2 to ≤ 4 DC DC to 4	Return Loss Return Loss Resistance Power Handling (0 °C to 50 °C)	$\geq 40 \text{ dB}$ $\geq 36 \text{ dB}$ $75 \Omega \pm 0.75 \Omega$ $\leq 0.5 \text{ W}$	

a. The specifications for the opens and shorts are given as allowed deviation from the nominal model as defined in the test report included with your kit.

While the information has been carefully compiled to the best of our knowledge, nothing is intended as representation or warranty on our part and no statement herein shall be construed as recommendation to infringe existing patents. In the effort to improve our products, we reserve the right to make changes judged to be necessary.

Draft	Date	Approved	Date		Rev.	Engineering change number	Name	Date
Herbert Babinger	15/04/05	Armin Maiwaelder	05/07/06		a00	06-0453	Herbert Babinger	05/07/06
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