



Contents

Device	Part number	Quantity
Open circuit plug	05S12L-000S3	1
Open circuit jack	05K12L-000S3	1
Short circuit plug	05S12S-000S3	1
Short circuit jack	05K12S-000S3	1
Broadband load plug	05S150-C10S3	1
Broadband load jack	05K150-C10S3	1
Torque wrench	53W009-000	1

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 ≤ 4 > 4 to ≤ 18	Return Loss Return Loss	≤ 0.10 dB ≤ 0.20 dB
	DC to ≤ 4 > 4 to ≤ 18	Deviation from Nominal Phase	$\leq 1.5^\circ$ $\leq 3.0^\circ$
Shorts ^a (plug and jack)	DC to ≤ 4 > 4 to ≤ 18	Return Loss Return Loss	≤ 0.10 dB ≤ 0.15 dB
	DC to ≤ 4 > 4 to ≤ 18	Deviation from Nominal Phase	$\leq 1.2^\circ$ $\leq 2.5^\circ$
Broadband loads (plug and jack)	DC to ≤ 4 > 4 to ≤ 18	Return Loss Return Loss	≥ 40 dB ≥ 30 dB
	DC	Resistance	$50 \Omega \pm 0.25 \Omega$
	DC to 18	Power Handling (0 °C to 50 °C)	≤ 0.5 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	12/04/05	Armin Maiwaelder	20/11/06	b00	06-0791	Herbert Babinger	20/11/06
Rosenberger Hochfrequenztechnik GmbH & Co. KG P.O.Box 1260 D-84526 Tittmoning Germany www.rosenberger.de					Tel.: +49 8684 18-0 Fax: +49 8684 18-499 email: info@rosenberger.de		Page 2 / 2