

**Contents**

Device	Part number	Quantity
Open circuit plug	03S12L-000S3	1
Open circuit jack	03K12L-000S3	1
Short circuit plug	03S12S-000S3	1
Short circuit jack	03K12S-000S3	1
Broadband load plug	03S150-C10S3	1
Broadband load jack	03K150-C10S3	1
Torque wrench	03W021-000	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 <sup>a</sup> ( plug and jack )	DC to $\leq 4$ > 4 to $\leq 26.5$	Return Loss Return Loss	$\leq 0.10$ dB $\leq 0.20$ dB
	DC to $\leq 4$ > 4 to $\leq 26.5$	Deviation from Nominal Phase	$\leq 1.5^\circ$ $\leq 3.5^\circ$
Shorts <sup>a</sup> ( plug and jack )	DC to $\leq 4$ > 4 to $\leq 26.5$	Return Loss Return Loss	$\leq 0.10$ dB $\leq 0.15$ dB
	DC to $\leq 4$ > 4 to $\leq 26.5$	Deviation from Nominal Phase	$\leq 1.2^\circ$ $\leq 3.0^\circ$
Broadband loads ( plug and jack )	DC to $\leq 4$ > 4 to $\leq 26.5$	Return Loss Return Loss	$\geq 40$ dB $\geq 30$ dB
	DC	Resistance	$50 \Omega \pm 0.20 \Omega$
	DC to 26.5	Power Handling ( 0 °C to 50 °C )	$\leq 0.5$ 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
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