

Agilent 85052D economy mechanical calibration kit, 3.5 mm

The Agilent 85052D economy mechanical calibration kit contains precision standard devices to characterize the systematic errors of the Agilent 8720 series or 8510C network analyzer system in the 3.5 mm interface. This kit also contains adapters to change the sex of the test port and a torque wrench for proper connection. Included are standards definitions on disk for the 8510C. Connector gages may be ordered separately.



Electrical specifications

Device	Specifications	Frequency (GHz)
Broadband loads	≥ 46 dB return loss ($\leq 0.00501\rho$)	dc to ≤ 2
	≥ 44 dB return loss ($\leq 0.00631\rho$)	> 2 to ≤ 3
	≥ 38 dB return loss ($\leq 0.01259\rho$)	> 3 to ≤ 8
	≥ 36 dB return loss ($\leq 0.01585\rho$)	> 8 to ≤ 20
	≥ 34 dB return loss ($\leq 0.01995\rho$)	> 20 to ≤ 26.5
Adapters	$30 \geq$ dB return loss ($\leq 0.03162\rho$)	dc to ≤ 8
	$28 \geq$ dB return loss ($\leq 0.03981\rho$)	> 8 to ≤ 18
	$26 \geq$ dB return loss ($\leq 0.05012\rho$)	> 18 to ≤ 26.5
Offset opens	$\pm 0.65^\circ$ from nominal	dc to ≤ 3
	$\pm 1.20^\circ$ from nominal	> 3 to ≤ 8
	$\pm 2.00^\circ$ from nominal	> 8 to ≤ 20
Offset shorts	$\pm 2.00^\circ$ from nominal	> 20 to ≤ 26.5
	$\pm 0.50^\circ$ from nominal	dc to ≤ 3
	$\pm 1.00^\circ$ from nominal	> 3 to ≤ 8
	$\pm 1.75^\circ$ from nominal	> 8 to ≤ 20
	$\pm 1.75^\circ$ from nominal	> 20 to ≤ 26.5

Replaceable parts

Description	Qty per kit	Agilent replacement part number
3.5 mm broadband load (m)	1	00902-60003
3.5 mm broadband load (f)	1	00902-60004
3.5 mm offset short (m)	1	85052-60006
3.5 mm offset short (f)	1	85052-60007
3.5 mm offset open (m)	1	85052-60008
3.5 mm offset open (f)	1	85052-60009
3.5 mm (m) to 3.5 mm (m)	1	85052-60014
3.5 mm (m) to 3.5 mm (f)	1	85052-60013
3.5 mm (f) to 3.5 mm (f)	1	85052-60012
$\frac{5}{16}$ in., 90 N-cm (8 in-lb) Torque	1	8710-1765
7 mm open-end	1	8710-1761