

## Coaxial Mechanical Calibration Kits

### HP 85050C 7 mm Precision Mechanical Calibration Kit

The HP 85050C precision mechanical calibration kit contains precision standard devices to characterize the systematic errors of the HP 8720 series or 8510C network analyzer system in the 7 mm interface. This kit also contains adapters to change the sex of the test port, connector gages for verifying and maintaining the connector interface, and a torque wrench for proper connection. Included are standards definitions on disk for the 8510C.



#### Electrical Specifications

Device	Specifications	Frequency (GHz)
<b>Lowband Loads</b>	≥52 dB Return Loss	dc to 2 GHz
<b>Broadband Loads</b>	≥38 dB Return Loss	dc to 18 GHz
<b>Short (collet style)</b>	±0.2° from nominal	dc to 2 GHz
	±0.3° from nominal	2 to 8 GHz
	±0.5° from nominal	8 to 18 GHz
<b>Open with collet pusher</b>	±0.3° from nominal	dc to 2 GHz
	±0.4° from nominal	2 to 18 GHz
	±0.6° from nominal	8 to 18 GHz
<b>Precision Airline</b>	>60 dB Return Loss	2 to 18 GHz

#### Replaceable Parts

Description	Qty Per Kit	HP Replacement Part Number
<b>7 mm Broadband Load</b>	1	85050-60006
<b>7 mm Lowband Load</b>	1	00909-60008
<b>7 mm Short (collet style)</b>	1	85050-80009
<b>7 mm Short (threaded center conductor style)</b>	1	85050-80008
<b>TRL Adapter</b>	1	85050-60005
<b>7 mm Open</b>	1	85052-80010
<b>7 mm Precision Airline</b>	1	85050-80010
<b>3/4 in., 135 N-cm (12 in-lb) Torque</b>	1	8710-1766
<b>7 mm Connector Collet Extractor</b>	1	5060-0370