

## Electrical Specifications

The electrical specifications in [Table 2-3](#) apply to the devices in your calibration kit when connected with an Agilent precision interface.

**Table 2-3 Electrical Specifications for 85050D 7 mm Devices**

Device	Specification	Frequency (GHz)
Broadband loads	$\geq 38$ dB Return loss	dc to 18 GHz
Short <sup>a</sup> collet style	$\pm 0.2^\circ$ from nominal	dc to 2 GHz <sup>b</sup>
	$\pm 0.3^\circ$ from nominal	2 to 8 GHz <sup>b</sup>
	$\pm 0.5^\circ$ from nominal	8 to 18 GHz <sup>b</sup>
Open <sup>a</sup> with collet pusher	$\pm 0.3^\circ$ from nominal	dc to 2 GHz <sup>b</sup>
	$\pm 0.4^\circ$ from nominal	2 to 18 GHz <sup>b</sup>
	$\pm 0.6^\circ$ from nominal	8 to 18 GHz <sup>b</sup>

- a. The specifications for the opens and shorts are given as allowed deviation from the nominal model as defined in the standard definitions.
- b. Nominal, in this case, means the electrical characteristics as defined by the calibration constants from Agilent's Calibration Kit Definitions Web page at [www.na.tm.agilent.com/pna/caldefs/stddefs.html](http://www.na.tm.agilent.com/pna/caldefs/stddefs.html)

## Certification

Agilent Technologies certifies that this product met its published specifications at the time of shipment from the factory. Agilent further certifies that its calibration measurements are traceable to the United States National Institute of Standards and Technology (NIST) to the extent allowed by the institute's calibration facility, and to the calibration facilities of other International Standards Organization members. See [“How Agilent Verifies the Devices in Your Kit” on page 4-2](#) for more information.