

# 85133D Semi-Rigid Cable Set, 2.4 mm



Achieve phase stability with these 53-cm cables when a DUT is connected between cable ends

## Highlights

- One 2.4 mm (f) to 2.4 mm (m), 53 cm, 21 inches, p/n 85133-60001
- One 2.4 mm (f) to 2.4 mm (f), 53 cm, 21 inches, p/n 85133-60002

The Keysight 85133D is a 53 cm (21 in) long<sup>1</sup> semi-rigid cable set composed of a 2.4 mm female<sup>2</sup> to PSC-2.4 mm female connector and a 2.4 mm female<sup>2</sup> to 2.4 mm male connector. Cable frequency range is dc to 50 GHz with a return loss of 15 dB or better. Insertion loss is  $0.55 * \text{sqrt}(f) + 0.2$ , where f is frequency in GHz, for the test port connector and 3.7 dB at maximum frequency for the device connector. Phase stability of semi-rigid/flexible cables is specified with a 90 degree bend using a 4 to 3 inch radius. Stability<sup>1</sup> of the Keysight 85133D is less than 0.06 dB and phase is  $0.16*f$ , where f is frequency in GHz.

<sup>1</sup> Cable length and stability are supplemental characteristics.

<sup>2</sup> Special rugged female connector is designed specifically for connecting to the network analyzer test port, but does not mate with a standard male connector.