



85135D Semi-Rigid Cable Set, 2.4 mm to 7 mm

Description

The Agilent 85135D is a 53 cm (21 in) long¹ semi-rigid cable set composed of two 2.4 mm female² to 7 mm connectors.

Cable frequency range is dc to 18 GHz with a return loss of 17 dB or better.

Insertion loss is $0.31 * \sqrt{f} + 0.2$, where f is frequency in GHz, for the test port connector and 1.5 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.

Stability¹ of the Agilent 85135D is less than 0.06 dB and phase is $0.18*f$, where f is frequency in GHz.

¹ Cable length and stability are supplemental characteristics.

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