

HL9721 Single-ended Pencil Probe

The HL9721 is a handheld probe used to simplify the impedance characterization of IPC-2141A standard (0.100") PCB test coupons.

With its lightweight construction and SMA cabling, the HL9721 is designed specifically for use with the HL3204 Controlled Impedance Analyzer.

Features and Technical Specifications

Measurement Type	Single-ended Odd Mode
Probe Footprint	0.100" Ground / Signal See <i>Figure 2</i> at right
Rise Time (20-80%)	50 ps, typical
Insertion Delay	4.2 ns
Total Length	932.2 mm (36.7"), including SMA cables
Probe Handle Dimensions	121.4 x 10.9 mm 4.78" x 0.43"
Weight	27 g, 0.95 oz

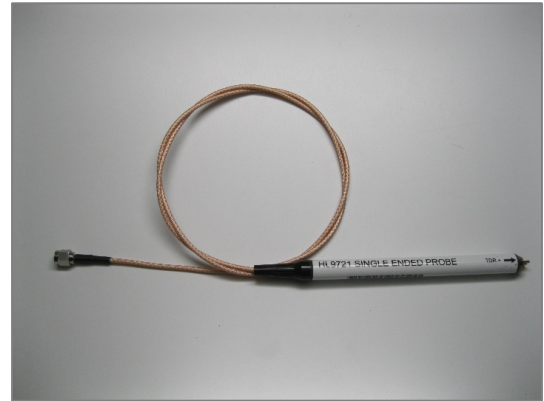
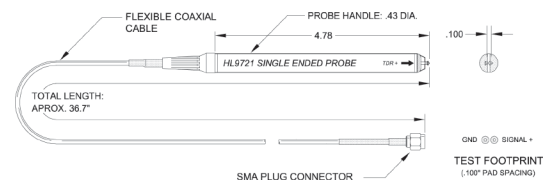


Figure 1: HL9721 Single-ended Pencil Probe



*Figure 2: HL9721 dimensional drawing**

Deployment Notes and Recommendations

This probe has a pitch of 0.100" as per IPC-2141A standards. Upon request, a probe pitch of between 0.060" and 0.200" can be supplied.

The HL9721 is related to the HL9722 Differential Odd Mode Pencil Probe and HL9720 Differential Even Mode Pencil Probe.

These probes have been specifically designed for use with the HL3204 Controlled Impedance Analyzer from HYPERLABS.

We recommend that you consult with HYPERLABS prior to deployment with other test systems.

*A higher resolution version of the dimensional drawing above is available on our website.