

High Performance Microwave Probes for RF probing

Model 110H

- Durable RF probe
- DC to 110 GHz
- Insertion loss less than 1.5 db
- Return loss greater than 15 db
- Measurement repeatability better than -80db
- Individually spring loaded contacts
- Patented coaxial design
- Available with a 1.0 mm connector



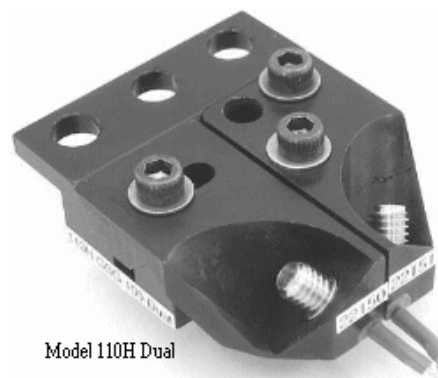
The Model 110H Picoprobe which incorporates our patented coaxial design techniques, has inherent low loss and low dispersion characteristics. Through its unique design, the Model 110H Picoprobe achieves an insertion loss of less than 1.5 db and a return loss of greater than 15 db over its frequency range.

With individually spring loaded, Beryllium- Copper tips, the Model 110H provide reliable contacts, even when probing non-planar structures. This reliable low resistance contact is one of the keys to providing highly repeatable measurements at W band frequencies.

Like all of our Picoprobes, the Model 110H allow direct viewing of the probe tips for accurate positioning.

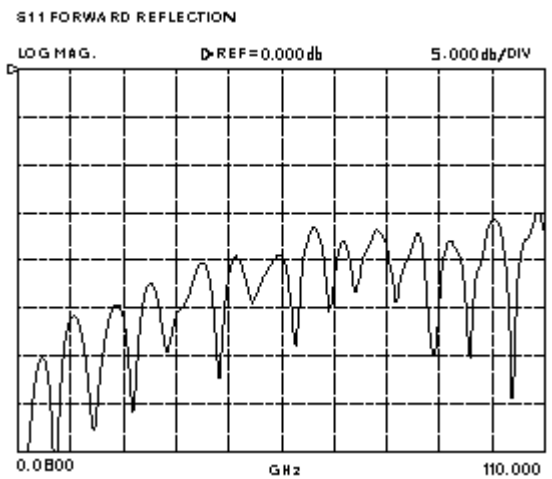
Any pitch (tip spacing) from 50 to 1250 microns may be specified. The probe can be configured **with Ground-Signal-Ground (G,S,G), Ground-Signal (G,S), or Signal-Ground (S,G)** tip footprints. We recommend smaller pitches with a G,S,G footprint for best performance.

The Model 110H utilizes a female 1.0mm connector.

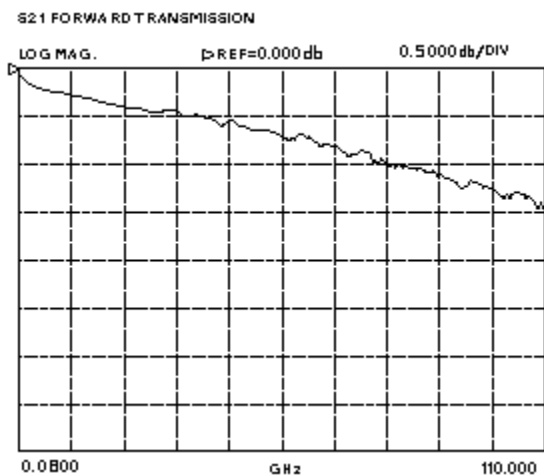


Model 110H Dual

Picoprobe® Model 110H Performance Data



Typical uncalibrated performance of a Model 110H-GSG-100-P while touching a 50 Ohm load on our CS-5 Calibration Substrate.



Typical insertion loss of a Model 110H-GSG-100-P.