

Abstracts

A W-Band Wafer Probe

E.M. Godshalk. "A W-Band Wafer Probe." 1993 MTT-S International Microwave Symposium Digest 93.1 (1993 Vol. I [MWSYM]): 171-174.

A W-band (75-110 GHz) wafer probe is presented. The probe uses ridge-trough waveguide to transition from a rectangular waveguide input to coplanar waveguide used on the probe board output. Research was conducted on radiation loss and modeing in coplanar waveguide to minimize insertion loss and maintain a coplanar mode. The probe is shown to work successfully and data is presented for W-band HEMTs.

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