

Abstracts

The Implementation of Calibration on Coplanar Waveguide for On-Wafer Measurements at W-Band

H. Leroux, J.-M. Belquin, R.D. Pollard, C.M. Snowden and M.J. Howes. "The Implementation of Calibration on Coplanar Waveguide for On-Wafer Measurements at W-Band." 1996 MTT-S International Microwave Symposium Digest 96.3 (1996 Vol. III [MWSYM]): 1395-1398.

The use of 50 ohm co-planar waveguide standards fabricated on semi-insulating gallium arsenide is successfully applied to the problem of probe calibration at W-band (75 to 110 GHz). Experimental verification demonstrates the near-constant characteristic impedance and uniform propagation characteristics of the on-wafer components.

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