

Abstracts

Time-Domain Network Analysis of MM-Wave Circuits Based on a Photoconductive Probe Sampling Technique

J. Kim, J. Son, S. Wakana, J. Nees, S. Williamson, J. Whitaker, Y. Kwon and D. Pavlidis. "Time-Domain Network Analysis of MM-Wave Circuits Based on a Photoconductive Probe Sampling Technique." 1993 MTT-S International Microwave Symposium Digest 93.3 (1993 Vol. III [MWSYM]): 1359-1362.

We have developed a photoconductive probe sampling technique with 2-ps temporal resolution and μ V sensitivity. Using the technique, we have measured S-parameters of millimeter-wave passive devices with a 120-GHz measurement bandwidth.

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