

Abstracts

A Time-Domain Millimeter-Wave Vector Network Analyzer

R.Y. Yu, J. Pusl, Y. Konishi, M. Case, M. Kamegawa and M. Rodwell. "A Time-Domain Millimeter-Wave Vector Network Analyzer." 1992 *Microwave and Guided Wave Letters* 2.8 (Aug. 1992 [MGWL]): 319-321.

A millimeter-wave vector network analyzer is implemented with a monolithic GaAs directional time-domain reflectometer integrated circuit mounted directly on a microwave wafer probe. The vector network analyzer performs on-wafer network analysis up to 96 GHz with ± 1 dB accuracy.

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