Abstracts

Measurement of Phase and Amplitude Response of a GaAs MMIC by Electrooptic Sampling

M.S. Heutmaker, G.T. Harvey, T.B. Cook and J.S. Perino. "Measurement of Phase and Amplitude Response of a GaAs MMIC by Electrooptic Sampling." 1991 MTT-S International Microwave Symposium Digest 91.3 (1991 Vol. III [MWSYM]): 1133-1135.

Electrooptic sampling with a gain-switched semiconductor laser is used to measure the voltage gain and phase shift of a GaAs monolithic microwave integrated circuit (MMIC) low-noise amplifier over the 5-15 GHz frequency range. A new synchronization technique enables the phase response to be measured accurately.

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