

Abstracts

A 50-GHz Compact Communication System for Video Link Fabricated in MIC

K. Ogawa, T. Ishizaki, K. Hashimoto, M. Sakakura and T. Uwano. "A 50-GHz Compact Communication System for Video Link Fabricated in MIC." 1988 MTT-S International Microwave Symposium Digest 88.2 (1988 Vol. II [MWSYM]): 1023-1026.

A 50 GHz transmitter and a receiver for video and voice communication from 1 to 10 miles have been developed. The RF assemblies of the system consist of a 25 GHz DRO, a 25 GHz FM modulator, and 25/50 GHz frequency doublers. Those are fabricated in MIC using chip form GaAs FET's. The transmitting power of 10 dBm and the receiver noise figure of 13 dB were obtained.

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