

Abstracts

Solid States Devices at 50 GHZ

M. Akaike, N. Kanmuri, H. Kato, T. Miyakawa, N. Tokoyo, H. Yatsuka and H. Hayashi. "Solid States Devices at 50 GHZ." 1973 G-MTT International Microwave Symposium Digest of Technical Papers 73.1 (1973 [MWSYM]): 69-71.

This paper reports the features and some performances of a transmitting frequency converter, a receiving frequency converter and a local oscillator at 50 GHz. The output power of the transmitting converter is 12 dBm and the front end noise figure of the receiving converter is below 10.3 dB. The power and the frequency stability of the local oscillator are 20 dBm and within $\pm 7 \times 10^{-5}$ (0~60°C), respectively.

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