

Abstracts

A Ku-Band IMPATT Amplifier with Improved Intermodulation Products

H. Komizu, Y. Daido, H. Ashida, Y. Ito and M. Honma. "A Ku-Band IMPATT Amplifier with Improved Intermodulation Products." 1973 G-MTT International Microwave Symposium Digest of Technical Papers 73.1 (1973 [MWSYM]): 169-171.

More than 40 dB 3rd order intermodulation product has been achieved in a 13 GHz band 2-stage IMPATT amplifier with 21 dBm output level and 11 dB gain, using diode bias current compensation and phase predistortion techniques. Theoretical calculations also verified the experimental data.

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