

Abstracts

A Practical MMIC Negative Resistance Structure for X and Ku Band Applications

M.R. Moazzam and M. Darvishzadeh. "A Practical MMIC Negative Resistance Structure for X and Ku Band Applications." 1996 MTT-S International Microwave Symposium Digest 96.1 (1996 Vol. 1 [MWSYM]): 157-160.

This paper presents the mathematical analysis and measured results of a novel practical MMIC negative resistance structure. This structure operates at X and Ku bands. The measured results show a negative resistance (down to -50Ω) over a 6 GHz bandwidth centered at 11 GHz.

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