

Abstracts

Coplanar MMIC Active Bandpass Filters Using Negative Resistance Circuits (Dec. 1994, Part II [T-MTT])

B.P. Hopf, I. Wolff and M. Guglielmi. "Coplanar MMIC Active Bandpass Filters Using Negative Resistance Circuits (Dec. 1994, Part II [T-MTT])." 1994 Transactions on Microwave Theory and Techniques 42.12 (Dec. 1994, Part II [T-MTT] (1994 Symposium Issue)): 2598-2602.

Several active bandpass filters for 1.8 and 5.5 GHz have been developed with the coplanar line technique using negative resistance circuits. For example, a first-order active bandpass filter at 5.5 GHz and two second-order bandpass filters at 1.8 GHz are presented, where one of the 1.8 GHz filters is a fixed center frequency filter and the other a tunable one. These 1.8 GHz filters have a 3 dB bandwidth of 110 MHz. The tuning range of the center frequency is 200 MHz.

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