

Abstracts

Tunable Active Bandpass Filters Using Three-Terminal MESFET Varactors

J. Lin and T. Itoh. "Tunable Active Bandpass Filters Using Three-Terminal MESFET Varactors." 1992 MTT-S International Microwave Symposium Digest 92.2 (1992 Vol. II [MWSYM]): 921-924.

The concept of three-terminal MESFET varactors is presented. Based on this concept, two types of tunable active bandpass filter working at X-band are developed. The experimental result shows the possibility of using the MESFET in the active mode to generate both a negative resistance and a variable reactance.

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