Abstracts

Theoretical and Experimental Analysis of Microwave Tunable Recursive Active Filters Using Power Dividers

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We show how power dividers can be effectively employed in the design of microwave recursive filters in strict accordance to low frequency principles. We present analytical, computer-simulated and experimental results for an active recursive band pass filter, and for a newly developed tunable recursive active filter, employing a reflection-type microwave phase shifter and implemented on a Duroid substrate in the 2.75-3.75 GHz range.

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