Abstracts

High-Order Monolithic Active Recursive Filter Based Upon Multicellular Approach

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This article deals with a multicellular approach for high-order monolithic active recursive filter design. The transfer function results from a cascade association of first-order recursive cells, each characterizing a single pole. We illustrate our approach with simulated results for a higher-order bandpass filter in the X-band and finally present measurements for the corresponding structures resulting from the cascade association of first-order recursive tunable filters, in MMIC technology.

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