

Abstracts

Three Channel I.F. Multiplexers

S. Thompson, Z. Lemnios, W. Guffey, A. Chamberlain, T. Robbio and W. Nelson. "Three Channel I.F. Multiplexers." 1990 Microwave and Millimeter-Wave Monolithic Circuits Symposium Digest 90.1 (1990 [MCS]): 81-84.

This paper describes the first integration of multiple I.F. functions into highly integrated GaAs MMICs for electronic warfare applications. The I.F. functions include amplifiers, switches, and attenuators combined into three channel I.F. multiplexers. The multiplexer provide three channel selectivity and variable gain in each channel for application in wide bandwidth, high dynamic range electronic warfare receivers.

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