

# Abstracts

## Broadband monolithic analog phase shifter and gain circuit for frequency tunable microwave active filters

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A. Cenac, L. Nenert, L. Billonnet, B. Jarry and P. Guillon. "Broadband monolithic analog phase shifter and gain circuit for frequency tunable microwave active filters." 1998 MTT-S International Microwave Symposium Digest 98.2 (1998 Vol. II [MWSYM]): 869-872.

In this paper, a lossless variable gain and analog transmission type phase shifter is presented. The final function of this original monolithic circuit is to be introduced in a ring resonator planar filter to tune the frequency response and to compensate for the intrinsic losses of the resonators.

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