Abstracts

Wideband Agile Transversal Filter

C. Ryan, C. Weitzel, D. Gottman and J. Frary. "Wideband Agile Transversal Filter." 1983 MTT-S International Microwave Symposium Digest 83.1 (1983 [MWSYM]): 355-357.

The development of a Wideband Agile Transversal Filter is made possible by the use of dual gate GaAs FET transistor arrays. The transversal filter design has a bandwidth of greater than 2.0 GHz and the filter transfer function can be changed in less than 10 nanoseconds. The design has been configured in a four section block that can be cascaded to obtain multiple delay functions and thus very complex filter transfer functions.

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