

Abstracts

Very Small, Ultra-Wideband MMIC Magic-T and Applications to Combiners and Dividers

T. Tokumitsu, S. Hara and M. Aikawa. "Very Small, Ultra-Wideband MMIC Magic-T and Applications to Combiners and Dividers." 1989 MTT-S International Microwave Symposium Digest 89.3 (1989 Vol. III [MWSYM]): 963-966.

An FET-size, 1-18GHz MMIC magic-T (180° hybrid) which unifies two different dividers, electrically isolated from each other, in a novel GaAs FET electrode configuration based on the "LUFET" concept is proposed. Applications of this module to miniaturized RF signal processing modules such as dividers, combiners, and switches are also described.

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