

# Abstracts

## A New Diplexer - Realized in Stripline

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*I. Galin. "A New Diplexer - Realized in Stripline." 1981 MTT-S International Microwave Symposium Digest 81.1 (1981 [MWSYM]): 212-214.*

Diplexers usually have a three-way common junction whose rather complex discontinuity imposes severe restrictions on attempts to control the different impedances presented by channels of different frequency. A new type of stripline diplexer has been developed that employs series-connected distributed elements emerging from its common junction to yield a compact structure free of these discontinuity problems. The concept was implemented in a printed-circuit diplexer built as part of a C-band varactor-tripler circuit, and was verified by test.

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