

# Abstracts

## A New Accurate Equivalent Network for Stripline Circulators

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*G. Filipsson and B. Hansson. "A New Accurate Equivalent Network for Stripline Circulators." 1980 MTT-S International Microwave Symposium Digest 80.1 (1980 [MWSYM]): 241-243.*

A new equivalent network accurately characterizing the immittance properties of a stripline circulator junction is proposed. The model is valid for circulators operating above as well as below resonance. Analytic expressions giving the element values of the equivalent network expressed in terms of the admittance properties of the junction are presented. The possibility of matching the new model for Chebyshev response using quarter wave transmission lines is shown. The usefulness of the new equivalent network is demonstrated by broadband matching of an experimental circulator.

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