

# Abstracts

## A New Concept for Broadbanding the Ferrite Substrate Circulator Based on Experimental Modal Analysis (Comments and Authors' Reply)

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*S. March, T. Miura and T. Hashimoto. "A New Concept for Broadbanding the Ferrite Substrate Circulator Based on Experimental Modal Analysis (Comments and Authors' Reply)." 1974 Transactions on Microwave Theory and Techniques 22.1 (Jan. 1974 [T-MTT]): 71-74.*

In the above paper the authors concluded, from a modal analysis of microstrip ferrite circulators, that the combination of two adjacent modes should be used for broad-banding circulators, which do not require quarter-wavelength matching transformers. Upon careful examination of their results, it can be shown that Miura and Hashimoto actually produced conventional below resonance circulators---transformers included.

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