

# Abstracts

## Analysis of E-Plane Circulators by Eigenvalue Measurements

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*U. Goebel and C. Schieblich. "Analysis of E-Plane Circulators by Eigenvalue Measurements." 1986 MTT-S International Microwave Symposium Digest 86.1 (1986 [MWSYM]): 257-260.*

The operation of E-plane waveguide circulators is explained and verified by eigenvalue measurements. Besides the reverse type circulator, which is usually realized but has inherently small bandwidth, a forward type operation has been found with good potentials for broad-band performance. A model at 10 GHz showed 20 % bandwidth at 20 dB isolation without using external transformers.

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