

Abstracts

On Planar Y-Ring Circulators

A.M. Borjak and L.E. Davis. "On Planar Y-Ring Circulators." 1994 Transactions on Microwave Theory and Techniques 42.2 (Feb. 1994 [T-MTT]): 177-181.

Single circulation frequency operation (SCFO) Y-ring circulators have been explored in earlier papers, where their inner circumference has been assumed to exhibit a magnetic wall (MW). In this paper, a new design is given using air in the center of the ring and treating the ring circulator as a composite dielectric-ferrite (DF) circulator. This DF circulator offers a wider bandwidth than the MW ring component.

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