Abstracts

Full Wave Analysis of Edge-Guided Mode Microstrip Isolator (Dec. 1996, Part II [T-MTT])

T.M.F. Elshafiey, J.T. Aberle and E.-B. El-Sharawy. "Full Wave Analysis of Edge-Guided Mode Microstrip Isolator (Dec. 1996, Part II [T-MTT])." 1996 Transactions on Microwave Theory and Techniques 44.12 (Dec. 1996, Part II [T-MTT] (1996 Symposium Issue)): 2661-2668.

This paper presents a full-wave analysis of three edge-guided mode microstrip isolator structures. Galerkin's technique in the spectral domain is used to calculate the insertion loss and the isolation of the structures. The paper presents figures of merit of different multilayer structures. A multilayer structure resulted in increased isolation and lower insertion loss.

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