

Abstracts

Full Wave Analysis of Edge-Guided Mode Microstrip Isolator (1996 Vol. I [MWSYM])

T.F. Elshafiey, J.T. Aberle and E.-B. El-Sharawy. "Full Wave Analysis of Edge-Guided Mode Microstrip Isolator (1996 Vol. I [MWSYM])." 1996 MTT-S International Microwave Symposium Digest 96.1 (1996 Vol. I [MWSYM]): 129-132.

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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