

Abstracts

Equivalent Circuit of Broadside-Coupled Microstrip Open Ends

S.K. Koul and B. Bhat. "Equivalent Circuit of Broadside-Coupled Microstrip Open Ends." 1985 MTT-S International Microwave Symposium Digest 85.1 (1985 [MWSYM]): 497-498.

In this paper a simple technique to determine the parameters of the equivalent circuit of the broadside-coupled microstrip open ends is described. This technique is based on the quasi-static spectral domain formulation in conjunction with the transverse transmission line method. Numerical data on the even-and odd-mode lumped capacitances of broadside-coupled square conductor patches in suspended microstrip configuration are presented. Further, data on the even-and odd-mode edge-capacitances and also the end effects are computed. This data should find extensive application in designing filters and directional couplers in broadside-coupled microstrip configurations.

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