

Abstracts

Analysis of stripline right-angle bend with slant-wise corner cut based on eigenmode expansion method and Foster-type equivalent network

Jui-Pang Hsu, T. Hiraoka and Y. Tabei. "Analysis of stripline right-angle bend with slant-wise corner cut based on eigenmode expansion method and Foster-type equivalent network." 1999 MTT-S International Microwave Symposium Digest 99.3 (1999 Vol. III [MWSYM]): 1315-1318 vol.3.

Stripline right-angle bend with slant-wise corner cut is analyzed based on planar circuit modelling, mode theory and thus derived equivalent network. Wide-band frequency characteristics are calculated with corner cut as a parameter, which leads to the discussion about transmission vs bandwidth and the exact determination of the optimum cut. These results are compared with that of square shaped corner cut already presented.

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