

Abstracts

Design of Transmission-Line Dimensions for a Given Characteristic Impedance (Correspondence)

E. Yamashita and K. Atsuki. "Design of Transmission-Line Dimensions for a Given Characteristic Impedance (Correspondence)." 1969 Transactions on Microwave Theory and Techniques 17.8 (Aug. 1969 [T-MTT] (Special Issue on Computer-Oriented Microwave Practices)): 638-639.

The Newton-Raphson method is applied to the characteristic impedance formulas of strip transmission lines in such a way that the line dimensions can be directly calculated as the computer solution of a transcendental equation when the characteristic impedance is a given parameter.

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