Abstracts

Accurate Solutions of Elliptical and Cylindrical Striplines and Microstrip Lines

By the transformation methods, elliptical and cylindrical striplines and microstrip lines are theoretically analyzed. Rigorous derivations lead to the exact expressions of the characteristic impedance in closed-form. Elliptical microstrip lines are explored for the first time. For practical applications, elliptical and cylindrical striplines with finite thickness are also analyzed.

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