Abstracts

Approximate Formulas for Line Capacitance and Characteristic Impedance of Microstrip Line (Erratum)

S.Y. Poh, W.C. Chew and J.A. Kong. "Approximate Formulas for Line Capacitance and Characteristic Impedance of Microstrip Line (Erratum)." 1981 Transactions on Microwave Theory and Techniques 29.10 (Oct. 1981 [T-MTT]): 1119-1119.

In the above paper, the approximate formula for the characteristic impedance Z of a microstrip line, with substrate dielectric constant epsi, and thickness to width ratio h/W, should be Z cong 377/radic epsi/sub r/ {1-2 /pi epsi/sub r/ (h /w) [(1+ epsi/sub r/) ln (2h / W) - 2.230 - 4.554 epsi/sub r/ - (4.464 + 3.89 epsi /sub r/) h / W]} /sup - 1/2/, for h/W small.

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