

Abstracts

An Expansion for the Fringing Capacitance (Short Paper)

H.J. Riblet. "An Expansion for the Fringing Capacitance (Short Paper)." 1980 Transactions on Microwave Theory and Techniques 28.3 (Mar. 1980 [T-MTT]): 265-267.

The first twelve terms in an expansion of the "approximate fringing capacitance" in powers of $\exp(-\pi s/b)$ are given explicitly as functions of t/b . Comparison with exact values shows agreement within 0.06 percent for $s/b \geq 0.2$ and $t/b \leq 0.5$. In the extreme case considered, $s/b=0.1$ and $t/b=0.5$, the error is less than 2.3 percent.

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