

Abstracts

Proposed Expansions for the Capacitance of a Square Centered in a Circle (Short Papers)

H.J. Riblet. "Proposed Expansions for the Capacitance of a Square Centered in a Circle (Short Papers)." 1994 Transactions on Microwave Theory and Techniques 42.4 (Apr. 1994, Part I [T-MTT]): 678-680.

Expansions for the capacitance per unit length of a square centered in a circle are proposed: one in terms of, ρ , the ratio of the diameter of the square to the diameter of the circle and the other in terms of $\delta = 1 - \rho$. Limits on the accuracy of the expansion in terms of ρ are given in graphical form.

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