

Abstracts

Fringing Capacitance Curves for Coplanar Rectangular Coupled Bars (Correspondence)

R.R. Gupta. "Fringing Capacitance Curves for Coplanar Rectangular Coupled Bars (Correspondence)." 1969 Transactions on Microwave Theory and Techniques 17.8 (Aug. 1969 [T-MTT] (Special Issue on Computer-Oriented Microwave Practices)): 637-638.

Even and odd mode fringing capacitance curves are presented, on an expanded scale, for tightly coupled coplanar rectangular bars between parallel ground planes. Accurate values of mode capacitances have been calculated by numerically solving the Laplace equation for the lower and upper bounds on the mode capacitance. The computed capacitance data presented is the average of the two bounds and is correct to within ± 1 percent of the exact data (before Plotting).

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