

# Abstracts

## Equivalent Circuit Capacitance of Microstrip Step Change in Width

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C. Gupta and A. Gopinath. "Equivalent Circuit Capacitance of Microstrip Step Change in Width." 1977 *Transactions on Microwave Theory and Techniques* 25.10 (Oct. 1977 [T-MTT]): 819-822.

Calculated results which extend existing data on the capacitance of step discontinuity are presented for  $w_{sub 1}/H$  of value 0.1, 0.5, 1.0, and 2.0, for relative dielectric constants of 15.1, 9.0, 4.0, and 2.3, and for  $w_{sub 2}/H$  in the range 0.1-10.0. The quasi-static method of calculation is used, and the excess capacitance associated with the steps is determined by the solution of the integral equation using Green's functions.

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