

Abstracts

Some Results on the End Effects of Microstriplines

C. Gupta, B. Easter and A. Gopinath. "Some Results on the End Effects of Microstriplines." 1978 Transactions on Microwave Theory and Techniques 26.9 (Sep. 1978 [T-MTT]): 649-652.

A new resonant technique for accurate and reliable measurement of end and gap effects in microstripline has been developed. An investigation of the frequency dependence of end and gap effects in microstrip was performed. There is no apparent frequency variation for the end effects for $w/h = 0.5, 1.0, \text{ and } 2.0$ lines on alumina substrate ($\epsilon_r \approx 9.8$), between 7.0 and 18.0 GHz. A small dependence on resonator mode number of these effects has been observed.

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