

# Abstracts

## Equivalent Series Inductivity of a Narrow Transverse Slit in Microstrip

---

W.J.R. Hoefer. "Equivalent Series Inductivity of a Narrow Transverse Slit in Microstrip." 1977 *Transactions on Microwave Theory and Techniques* 25.10 (Oct. 1977 [T-MTT]): 822-824.

The series inductivity introduced by a narrow transverse slit in a microstrip transmission line has been evaluated theoretically, and a simple formula for this inductivity is presented. Experimental results for slits of different depth obtained with the resonant ring method compare well with theory. Applications of such a slit include the fine tuning of the electrical length of stubs and the compensation of excess capacitances at discontinuities.

[Return to main document.](#)

Click on title for a complete paper.