

# Abstracts

## Broadside-Coupled Slot-Line Field Components (Short Papers)

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*R.N. Simons. "Broadside-Coupled Slot-Line Field Components (Short Papers)." 1984 Transactions on Microwave Theory and Techniques 32.1 (Jan. 1984 [T-MTT]): 116-120.*

This paper presents expressions for the odd- and even-mode electric field components and also the magnetic field components in the air, overlay, and dielectric regions of the broadside-coupled slot-line structure. These expressions are numerically computed, and the fields in the cross section and the longitudinal section are illustrated. The surface current distribution on the metal surfaces are also illustrated.

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