

# Abstracts

## The Slot Line in Uniplanar MMIC's: Propagation Characteristics and Loss Analysis

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*W. Heinrich. "The Slot Line in Uniplanar MMIC's: Propagation Characteristics and Loss Analysis." 1990 MTT-S International Microwave Symposium Digest 90.1 (1990 Vol. I [MWSYM]): 167-170.*

Slot-line structures as used in uniplanar MMIC's are analyzed including a full-wave description of conductor loss. It is found that such lines support a fundamental wave mode that differs basically from the conventional slot-line type. Results on propagation characteristics are presented studying also the influence of metallization thickness.

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