

# Abstracts

## Hybrid Fin-Line Matching Structures

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*H. El Hennawy and K. Schunemann. "Hybrid Fin-Line Matching Structures." 1982 Transactions on Microwave Theory and Techniques 30.12 (Dec. 1982 [T-MTT] (1982 Symposium Issue)): 2132-2139.*

Two transitions between unilateral and bilateral fin-line mounted back to back show unique features for impedance transformation. The series reactance of the equivalent T-circuit are theoretically shown to be capacitive. This is exploited by designing a broad-band switch with two p-i-n diodes. Its isolation is about 20 dB throughout the Ku-band.

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