

# Abstracts

## Slot-Line Filters and Couplers

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*E.A. Mariani and J.P. Agrios. "Slot-Line Filters and Couplers." 1970 Transactions on Microwave Theory and Techniques 18.12 (Dec. 1970 [T-MTT] (1970 Symposium Issue)): 1089-1095.*

The slot-transmission line on a dielectric substrate has many possible microwave circuit applications. This paper presents experimental data concerning the performance of bandpass and bandstop filters and a hybrid coupler; the work described was performed at S-band frequencies using the single substrate slot line geometry. Also included are theoretical data concerning the slot-line wavelength and characteristic impedance for the case of the slot-line configuration having dielectric material above and below the metallization, the so-called slot-line "sandwich."

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