

# Abstracts

## A Homodyne System for the Measurement of Microwave Reflection Coefficients (Correspondence)

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*R.J. King and R.I. Christopherson. "A Homodyne System for the Measurement of Microwave Reflection Coefficients (Correspondence)." 1970 Transactions on Microwave Theory and Techniques 18.9 (Sep. 1970 [T-MTT]): 658-660.*

The homodyne detection principle is applied to the measurement of microwave reflection coefficients. The system described is considerably more sensitive than video detection, is linear over a wide dynamic range, and allows simultaneous phase and amplitude measurements, with phase measurements amplitude insensitive. Two channels are used, one being amplitude modulated.

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