

# Abstracts

## Broadband Parametric Amplifiers

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*R. Pettai and B.B. Bossard. "Broadband Parametric Amplifiers." 1962 PGMTT National Symposium Program and Digest 62.1 (1962 [MWSYM]): 154-157.*

A criterion has been found for developing broadband parametric amplifiers of either reflection or upconverter type which are capable of large bandwidths with a minimum of external circuitry. The method to be described depends on the maximum utilization of the parasitic elements ( $R_{\text{sub } s}$ ,  $L$ ,  $C_{\text{sub } o}$ ,  $C_{\text{sub } c}$ ) of the varactor diode itself, plus certain simple experimental techniques which are easily applied.

[Return to main document.](#)