

Abstracts

Error Minimization in Network Analyzer Measurement of Varactor Quality (Short Papers)

W.S. Benson, Jr. and A. Uhlir, Jr. "Error Minimization in Network Analyzer Measurement of Varactor Quality (Short Papers)." 1977 Transactions on Microwave Theory and Techniques 25.4 (Apr. 1977 [T-MTT] (Special Issue on Low-Noise Technology)): 335-338.

Errors are minimized in the four-bias measurement of varactor quality by a holder designed so that $R_{\text{sub } s/Z\text{ sub } 0} \approx 1.5 \sqrt{Q}$. The optimum intermediate biases depend upon the expected error in reflection coefficient measurements.

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