

Abstracts

Frequency-Domain Characterization of Microwave Delay Lines

A. Uhlir, Jr.. "Frequency-Domain Characterization of Microwave Delay Lines." 1972 *Transactions on Microwave Theory and Techniques* 20.1 (Jan. 1972 [T-MTT] (Special Issue on Automated Microwave Measurements)): 51-53.

Techniques for evaluating delay lines with an automatic network analyzer are described. Extremely precise values of the delay can be obtained by an iterative process which uses final measurement frequencies spaced by integral multiples of the reciprocal delay. The magnitude of leakage and triple-delayed transmissions are determined from measurements which are also necessary to obtain accurate values of insertion loss.

[Return to main document.](#)