

Abstracts

A Dual Six-Port Automatic Network Analyzer (Apr. 1981 [T-MTT])

H.M. Cronson and L. Susman. "A Dual Six-Port Automatic Network Analyzer (Apr. 1981 [T-MTT])." 1981 Transactions on Microwave Theory and Techniques 29.4 (Apr. 1981 [T-MTT]): 372-378.

A 2- to 18-GHz dual six-port automatic network analyzer using diode power detectors is described. An analysis of the calibration technique is discussed in detail. Measurement accuracies of better than 0.1-dB up to 40-dB insertion loss from 2 to 7 GHz are reported. Possible causes of the errors observed at higher frequencies are given.

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