

Abstracts

Calibrating the Six-Port Reflectometer

G.F. Engen. "Calibrating the Six-Port Reflectometer." 1978 MTT-S International Microwave Symposium Digest 78.1 (1978 [MWSYM]): 182-183.

Because complex heterodyne methods may be replaced by simple amplitude detectors, the six-port technique promises to have a major impact on the next generation of automatic network analyzers. This projection, however, is predicated upon the existence or development of calibration techniques which permit one to conveniently and accurately obtain the parameters which characterize the six-port. This paper describes a number of substantial refinements to a previously described procedure which is based upon the use of sliding terminations.

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