

Abstracts

Accurate Experimental Characterization of Three-Ports

S.B. Goldberg, M.B. Steer and P.D. Franzon. "Accurate Experimental Characterization of Three-Ports." 1991 MTT-S International Microwave Symposium Digest 91.1 (1991 Vol. I [MWSYM]): 241-244.

An accurate procedure is reported for experimentally characterizing microwave devices using two-port measurements. Reflection measurements only are used to determine three-port reflection parameters and primarily transmission measurements to determine three-port transmission parameters, thus considerably reducing the sensitivity of the procedure. No assumptions about the three-port device is made for the procedure. The results are compared to Woods' renormalization method.

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