

Abstracts

A bilateral lightwave network analyzer

B. Elamaran, R.D. Pollard and S. Iezekiel. "A bilateral lightwave network analyzer." 2000 MTT-S International Microwave Symposium Digest 00.3 (2000 Vol. III [MWSYM]): 1611-1614.

The first reported bilateral network analyzer that is capable of two-port S-parameter measurements of all four types of lightwave components is presented. Advantages of this analyzer architecture compared to previous designs include full two-port measurements of all lightwave components with a single connection and the ability to implement self-calibration techniques. Calibrated measurement results, which prove the concept of the architecture, are also presented.

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