

## Implementation and calibration of a two-port electrooptic network analyzer

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*B. Elamaram, R.D. Pollard and S. Iezekiel. "Implementation and calibration of a two-port electrooptic network analyzer." 1999 Microwave and Guided Wave Letters 9.9 (Sep. 1999 [MGWL]): 369-371.*

A novel bidirectional electrooptic network analyzer has been demonstrated which enables the full S-parameter characterization of both electrooptic (E/O) and optoelectronic (O/E) components using a single connection of the device-under-test to the test ports. A combined two-tier E/O and O/E calibration is proposed. Measurement results which validate both the analyzer architecture and the calibration are presented.

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