Abstracts

Wavelength optimized electro-optic scanning of MMICs with Fabry-Perot enhancement

P.O. Muller, D. Erasme and B. Huyart. "Wavelength optimized electro-optic scanning of MMICs with Fabry-Perot enhancement." 1997 MTT-S International Microwave Symposium Digest 3. (1997 Vol. III [MWSYM]): 1329-1332.

We present a direct, internal electro-optic probing technique using a CW DFB laser diode. Optical Fabry-Perot resonance offers an immediate AM electro-optic signal. No polarization treatment of the probe beam is needed and a simplified fiber reinjection set-up is realized. During the scanning of MMICs, active wavelength control provides optimum measurement sensitivity.

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