Abstracts

A 2-10 GHz GaAs MMIC Opto-Electronic Phase Detector for Optical Microwave Signal Generators

M. Bruun, U. Gliese, A.K. Petersen, T.N. Nielsen and K.E. Stubkjaer. "A 2-10 GHz GaAs MMIC Opto-Electronic Phase Detector for Optical Microwave Signal Generators." 1994 MTT-S International Microwave Symposium Digest 94.1 (1994 Vol. I [MWSYM]): 499-502.

Optical transmission of microwave signals becomes increasingly important. Techniques using beat between optical carriers of semiconductor lasers are promising if efficient optical phase locked loops are realized. A highly efficient GaAs MMIC opto-electronic phase detector for a 2-10 GHz OPLL is reported.

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