

Abstracts

A 1GBit/s Optical/Electrical Input Monolithic GaAs Transmitter I.C.

M.P. Walton, P.R. Haugen and S.L. Palmquist. "A 1GBit/s Optical/Electrical Input Monolithic GaAs Transmitter I.C.." 1986 MTT-S International Microwave Symposium Digest 86.1 (1986 [MWSYM]): 713-716.

A 1GBit/s optical input transmitter chip has been developed to evaluate the performance of optical fibers as a communication media in high speed electronics. The transmitter chip has been fabricated in depletion mode GaAs with a one micron gate length. Optical/electrical functionality has been demonstrated at the wafer level.

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