

Abstracts

High Speed Fiber Optic Links for Short-Haul Microwave Applications

I. Koffman, P.R. Herczfeld and A.S. Daryoush. "High Speed Fiber Optic Links for Short-Haul Microwave Applications." 1988 MTT-S International Microwave Symposium Digest 88.2 (1988 Vol. II [MWSYM]): 983-986.

An experimental and analytical comparison between the fiberoptic (FO) and the conventional coaxial interconnects are made. Experiments were conducted for two different fiber optic links, namely reactively matched and resistively matched. An approach based on the use of reactively matched optical transmit/receive modules in conjunction with an advanced fiber optic link architecture leads to a substantial improvement in the system performance of high speed FO links.

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