

Abstracts

Applications of Traveling-Wave Laser Amplifiers in Subcarrier Multiplexed Lightwave Systems

W.I. Way, C.-E. Zah and T.-P. Lee. "Applications of Traveling-Wave Laser Amplifiers in Subcarrier Multiplexed Lightwave Systems." 1990 Transactions on Microwave Theory and Techniques 38.5 (May 1990 [T-MTT] (Special Issue on Applications of Lightwave Technology to Microwave Devices, Circuits, and Systems)): 534-545.

Applications of traveling-wave laser amplifiers in subcarrier multiplexed lightwave systems, for the distribution of multiple channels of FM and AM-VSB video signals, are described. Both experimental results and a general analysis on the video carrier-to-noise ratio are presented. Other important system design considerations associated with using TWLA's are also discussed.

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