

Abstracts

New Methods for Subcarrier Type Optical Reception Applying New Single Sideband Optical-Microwave Mixers

T. Berceli. "New Methods for Subcarrier Type Optical Reception Applying New Single Sideband Optical-Microwave Mixers." 1994 MTT-S International Microwave Symposium Digest 94.2 (1994 Vol. II [MWSYM]): 1125-1128.

For the reception of subcarrier modulated optical signals a new method has been developed using combined optical-microwave mixers. Two arrangements are presented applying a new single sideband optical-microwave mixing process, resulting in a simpler arrangement and in an improved performance. This way an image frequency suppression of 20-25 dB is achieved.

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