

Abstracts

A New Lightwave-Microwave Signal Conversion Method

T. Berceli, M. Izutsu and T. Sueta. "A New Lightwave-Microwave Signal Conversion Method." 1993 MTT-S International Microwave Symposium Digest 93.3 (1993 Vol. III [MWSYM]): 1407-1410.

A new method of lightwave-microwave signal conversion has been developed and studied in detail. In many applications there is a need for mixing modulated lightwaves and microwaves. The new method offers many advantages providing a high mixing product in a wide frequency range. An optimum adjustment has also been found. The comparison of results achieved by utilizing HEMT and FET devices will be presented as well.

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