

Abstracts

Optoelectronic mixing in a self oscillating InP/GaInAs photo-heterojunction bipolar transistor

J. Lasri, A. Bilenca, G. Eisenstein, D. Ritter and M. Orenstein. "Optoelectronic mixing in a self oscillating InP/GaInAs photo-heterojunction bipolar transistor." 2000 MTT-S International Microwave Symposium Digest 00.3 (2000 Vol. III [MWSYM]): 1825-1828.

We describe optoelectronic mixing in self-oscillating multi frequency InP/InGaAs photo-heterojunction bipolar transistors. Base-band analog or digital data carried by optical signal impinging on the base is imprinted simultaneously on all RF spectral lines.

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