

Abstracts

2.7 THz waveguide tripler using monolithic membrane diodes

F. Maiwald, S. Martin, J. Bruston, A. Maestrini, T. Crawford and P.H. Siegel. "2.7 THz waveguide tripler using monolithic membrane diodes." 2001 MTT-S International Microwave Symposium Digest 01.3 (2001 Vol. III [MWSYM]): 1637-1640 vol.3.

The description and performance of an 850 to 2550 GHz waveguide tripler is presented. The tripler utilizes GaAs monolithic membrane diodes (MOMED) in single and antiparallel pairs. Output power of ≈ 0.1 mW is reported.

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