

Abstracts

D-Band Subharmonic Mixer with Silicon Planar Doped Barrier Diodes (Short Papers)

U. Giittich, K.M. Strohm and F. Schaffler. "D-Band Subharmonic Mixer with Silicon Planar Doped Barrier Diodes (Short Papers)." 1991 Transactions on Microwave Theory and Techniques 39.2 (Feb. 1991 [T-MTT]): 366-368.

A subharmonically pumped mixer for RF frequencies in the D-band range has been realized applying silicon planar doped barrier (PDB) diodes grown by molecular beam epitaxy (MBE). Excellent RF performance data have been achieved with a finline/microstrip mixer design.

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