

## Submillimeter Wavelength Surface-Oriented Diode Mixers

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*R.A. Murphy, G.D. Alley, C.O. Bozler, H.R. Fetterman, P.E. Tannenwald and B.J. Clifton.  
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Microwave Symposium Digest 78.1 (1978 [MWSYM]): 430-432.*

Schottky barrier diodes in which proton bombardment has been used to define small surface-oriented devices have been used as submillimeter wavelength mixers. High-order harmonic mixing and direct heterodyne mixing with lasers up to 761 GHz have been achieved.

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