

# Abstracts

## Planar Millimeter-Wave Diode Mixer (Short Papers)

---

*N.J. Cronin and V.J. Law. "Planar Millimeter-Wave Diode Mixer (Short Papers)." 1985 Transactions on Microwave Theory and Techniques 33.9 (Sep. 1985 [T-MTT]): 827-830.*

A new mixer has been built, using a planar GaAs Schottky-barrier diode, for operation at frequencies around 100 GHz. The mixer has low noise temperature and conversion loss and low local oscillator power requirement. The design is such that construction of scaled versions should be possible for operation up to 200 GHz.

 [Return to main document.](#)