

# Abstracts

## A Planar Integrated Antenna and Receiver Front End

---

*V.D. Hwang, T. Uwano and T. Itoh. "A Planar Integrated Antenna and Receiver Front End." 1987 MTT-S International Microwave Symposium Digest 87.1 (1987 Vol. I [MWSYM]): 391-394.*

A compact, self-contained, and planar circuit that integrates a coupled slot antenna, a balanced mixer, and a Gunn diode local oscillator is described. This circuit utilizes the even/odd mode properties of the coupled slotlines to achieve intrinsic RF-LO and RF-IF isolation.

[Return to main document.](#)