

# Abstracts

## Planar MMIC Hybrid Circuit and Frequency Converter

---

*T. Hirota, H. Ogawa, Y. Tarusawa and K. Owada. "Planar MMIC Hybrid Circuit and Frequency Converter." 1986 Microwave and Millimeter-Wave Monolithic Circuits Symposium Digest 86.1 (1986 [MCS]): 103-105.*

A "planar" circuit configuration for MMIC (Monolithic Microwave Integrated Circuit) has been proposed. It uses coplanar waveguides and slotlines on the upper side of the substrate. Novel hybrid circuits have been fabricated. It has also been shown that small sized, balanced FET circuits can be achieved.

[Return to main document.](#)