

# Abstracts

## A Highly Integrated MMIC K-Band Transmit/Receive Chip (1993 Vol. I [MWSYM])

---

*H. Fudem, S. Moghe, G. Dietz and S. Consolazio. "A Highly Integrated MMIC K-Band Transmit/Receive Chip (1993 Vol. I [MWSYM])." 1993 MTT-S International Microwave Symposium Digest 93.1 (1993 Vol. I [MWSYM]): 137-140.*

A highly integrated wide-band MMIC Transmit/Receive (T/R) chip was designed for both commercial and military FM CW applications. The MMIC circuit was designed using 0.25  $\mu\text{m}$  pseudomorphic HEMT technology. The T/R chip has three 3-stage amplifiers, an active power divider, a diode double-balanced mixer, and a voltage controlled oscillator (VCO) all integrated on a single chip 96 X 71 mils (2.4 X 1.8 mm) in size.

 [Return to main document.](#)