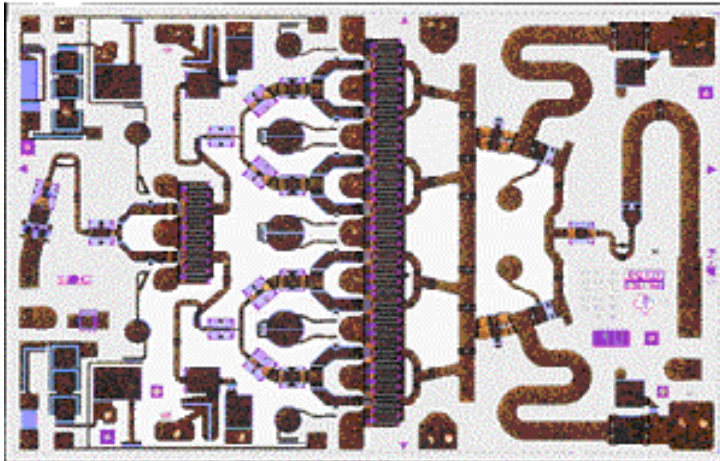




# TI 9083 MMIC Amplifier



**MMIC-based approach**  
**Spec Ref: [www.ti.com/mgp](http://www.ti.com/mgp)**



- **6.5 to 11.5-GHz Frequency Range**
- **5-Watt Output Power at 7V, 6-Watt at 8V, 8-Watt at 9V Bias**
- **19-dB Typical Small Signal Gain**
- **40% Power Added Efficiency at 7V, 35% PAE at 9 Volt Bias**
- **12-dB Typical Input Return Loss, 9-dB Typical Output Return Loss**
- **On-chip Active Bias Circuit Option Simplifies Biasing**

**We wish to acknowledge the generous support of TriQuint/TI in providing a large quantity of these excellent devices at a substantial discount to the University and MAFET project**