

Compact Tx and Rx FEMs for 5G M-MIMO Applications

MAGb-103436-025S0M GaN on Si PA

- Freq: 3.4 - 3.6 GHz
- $P_{avg} = 3\text{ W}$
- $P_{sat} > 44\text{ dBm}$
- $IBW > 100\text{ MHz}$
- $Eff > 37\% @ 35\text{ dBm}$
- Gain $> 27\text{ dB}$
- $ACPR > 26\text{ dBc}$

MAMF-011069 Dual LNA/Switch

- Freq: 1.8 - 3.9 GHz
- Gain $> 31\text{ dB}$
- $NF < 1.5\text{ dB}$
- $OIP3 > 35\text{ dBm}$
- ISO Rx-Rx: $> 45\text{ dB}$
- $V_{ds} = 5\text{ V}$
- $I_{ds} < 200\text{ mA}$
- Power handling $> 20\text{ W}$

