
WAVEPIA Boosts GaN RF Portfolio with C-band and Ka-band MMIC

WAVEPIA launches new MMIC Power Amplifier products in the C-band and Ka-band frequency bands. For more information on two new MMICs: the 5-7 GHz C-band Power Amplifier and the 34-39 GHz Ka-band Power Amplifier, please contact sales@wavepia.com. These new GaN MMIC products will bring satisfaction to customers with optimal performance and efficiency.

Our C-band portfolio has been expanded with the addition of 5-7 GHz and 50 W PA to the existing 0.5-8.5 GHz and 12 W PA products. This state-of-the-art 5-7 GHz 50 W MMIC is applicable to various applications in both commercial and defense, including broadband communication, radar system, and satellite communication, and offers up to 44.3% efficiency.

WPGM0507050M Power Amplifier

Product Features

- 5-7GHz GaN MMIC PA
- 47.28dBm Pout at 6GHz
- 21.35dB Power Gain
- Power Added Efficiency :
Max 44.3%
- Ideal for Communication, Radar System, Satcom
- 16.94mmX6.35mm MPKG Package



The new Ka-band GaN MMIC, WPGM3439010M Power Amplifier, is fabricated using 0.15 μ m GaN-on-SiC technology and delivers up to 10 W of saturated RF output power across 5 GHz of bandwidth between 34 to 39 GHz. This robust GaN MMIC is designed for use in satellite communications, 5G networks, and other aerospace and defense systems.

WPGM3439010M Power Amplifier

Product Features

- 34-39GHz GaN MMIC PA
- 40.78dBm Pout at 35.5GHz
- 10.78dB Power Gain
- Drain Efficiency : Max 21%
- Ideal for mmWave 5G Communication, Satcom, Multifunctional RF Seeker
- 20mmX10mm MPKG Type



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