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 0.15µm 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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