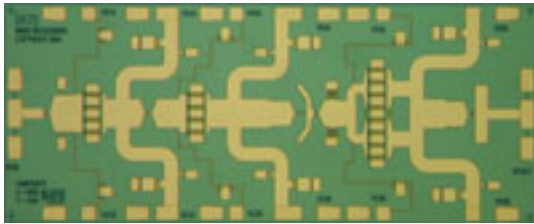


Amplifier Chipset



Mimix Broadband announces a GaAs MMIC three stage balanced power amplifier and complementary three stage driver amplifier. Both the balanced power amplifier and the driver amplifier use 0.15 micron gate length GaAs pHEMT device model technology. The power amplifier has a balanced design to achieve good output match and covers the 43.5 to 46.5 GHz frequency bands and has a small signal gain of 13 dB with +29 dBm P1dB compression point. The driver amplifier covers this same frequency band, and achieves a small signal gain of 13 dB with +24 dBm P1dB compression point. Used as a driver and final stage cascade, this chipset achieves +26 dB gain and 1 W output power. The balanced power amplifier and driver amplifier, identified as 44MPA0478 and 44MPA0470 respectively, are suitable for wireless communications applications such as millimeter-wave point-to-point radio, local multipoint distribution services (LMDS) and SATCOM applications.

Mimix Broadband, Inc.

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