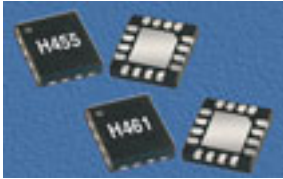


## MMIC Amplifiers



The MHC455LP3 and HMC461LP3 amplifiers are ideal for a variety of PCS/3G wireless infrastructure applications offering +19 dBm and +20 dBm WCDMA channel output power respectively at &#150 45 dBc ACP. The 1/2 watt HMC455LP3 provides 13 dB of gain and +28 dBm of saturated power at 56% PAE from a single +5 V DC supply voltage. This MMIC amplifier utilizes a minimum number of external components, has high output IP3 of +42 dBm, and low VSWR of 1.4:1. The 1 watt HMC461LP3 offers the linear performance of two HMC455LP3s in a single IC yielding an output IP3 of +45 dBm. It can be configured in a balanced or push-pin amplifier circuit providing 12 dB of gain and +30.5 dBm of saturated power at 48% PAE from a single +5 V DC supply voltage.

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