

Monolithic Mixers



Hittite announces a line of high dynamic range monolithic mixers that achieve up to +36 dBm input IP3 for cellular/PCS/3G infrastructure applications. The HMC399MS8 covers 700 to 1000 MHz RF and 60 to 250 MHz IF frequencies for GSM/CDMA based cellular transmit or receive frequency plans. Input IP3 performance of +35 dBm is provided. The HMC400MS8 covers 1.7 to 2.2 GHz RF and 50 to 300 MHz IF frequencies to satisfy many UMTS/PCS transmit or receive frequency plans configured for low side LO. The input IP3 performance of up to +36 dBm for down conversion and +31 dBm for up conversion, coupled with the high P1dB of the HMC400MS8 provides a smaller standard IC footprint and no DC bias. With input IP3 performance of +31 dBm for down conversion and +27 dBm for up conversion over 1.8 to 2.2 GHz, the HMC402MS8 is suited for high side LO GSM/CDMA based UMTS/3G or PCS applications.

www.hittite.com; (978) 250-3343

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