

209. Title: 150 GHz Complementary Anti-Parallel Diode Frequency Tripler in 130 nm CMOS

Author: Shim, D; Mao, CY; Sankaran, S; Kenneth, KO

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Abstract: The first complementary anti-parallel Schottky diode frequency tripler in CMOS is demonstrated. The tripler exhibits similar to 34-dB minimum conversion loss, -24-dBm maximum output power at 150 GHz, and 3 db output frequency range of similar to 10 GHz.