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New Performance Indicators of Metal-Oxide-Semiconductor Field-Effect Transistors for High-Frequency Power-Conscious Design

Prospective Silicon Applications and Technologies in 2025

5 Gbps BPSK CMOS Transmitter with On-Chip Antenna Using Gaussian Monocycle Pulses

A 2 Gb/s 1.8 pJ/bit Differential BPSK UWB-IR Transmitter using 65 nm CMOS Technology

A 381 fs/bit, 51.7 nW/bit Nearest Hamming-Distance Search Circuit in 65 nm CMOS

A 5.4-9.2 GHz 19.5 dB Complementary Metal–Oxide–Semiconductor Ultrawide-band Receiver Front-end Low-Noise Amplifier

A 500 Mb/s Differential Input Non-coherent BPSK Receiver for UWB-IR Communication

A 800 Mb/s CMOS detection scheme for UWB impulse-radio communication

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