

Abstracts

A 450 MHz CMOS RF power detector

S. Ho. "A 450 MHz CMOS RF power detector." 2001 Radio Frequency Integrated Circuits (RFIC) Symposium 01. (2001 [RFIC]): 209-212.

An RF power detector based on a CMOS logarithmic/limiting amplifier achieves 50 dB dynamic range at 450 MHz. The logarithmic accuracy is +/- 1dB over the temperature range 0 to 85 degC. The chip is fabricated in 0.35 um double-poly triple-metal CMOS and consumes 10 mA with a 3 V supply.

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