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June 15, 2025

Abstract

This paper presents a 0.8-6 GHz inductor less low-noise amplifier (LNA) with an improved deep trench isolation (DTI) electrostatic discharge (ESD) diode. The improved DTI diodes reduce parasitic capacitance by up to 30% compared to conventional ones. This design includes a cascode amplifier with RC shunt feedback and an emitte

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