

Abstracts

[A Ku Band Converter IC \(1992 \[MCS\]\)](#)

T. Kaneko, T. Miya and S. Yoshida. "A Ku Band Converter IC (1992 [MCS])." 1992 Microwave and Millimeter-Wave Monolithic Circuits Symposium Digest 92.1 (1992 [MCS]): 159-162.

A Ku-Band VCO converter IC for DBS and CS receivers was developed on a 1.2X2.8mm² chip using a 0.5μm MESFET process. This converter IC includes five functional blocks; i.e. prescaler, VCO, LNA, mixer and IF Buffer. This converter IC had 7.5dB noise figure and -80dBc/Hz phase noise at a 10KHz offset from a 10.75GHz carrier signal.

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