

Abstracts

A Ku Band Converter IC (1992 Vol. I [MWSYM])

T. Kaneko, T. Miya and S. Yoshida. "A Ku Band Converter IC (1992 Vol. I [MWSYM])." 1992 MTT-S International Microwave Symposium Digest 92.1 (1992 Vol. I [MWSYM]): 451-454.

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(5) 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.

 [Return to main document.](#)