

K-band monolithic double-balanced resistive mixer with integrated balanced oscillator

K.S. Ang, I.D. Robertson, Dong-sik Kim, Moon-Cheul Ju and Hwa-Chang Seo. "K-band monolithic double-balanced resistive mixer with integrated balanced oscillator." 2001 MTT-S International Microwave Symposium Digest 01.2 (2001 Vol. II [MWSYM]): 1329-1332 vol.2.

A balanced oscillator has been used to provide the balanced LO signals for a double-balanced resistive mixer, in an integrated monolithic circuit. This first reported balanced oscillator/resistive mixer chip operates at 25.5 GHz with low levels of LO leakage and spurious intermodulation products.

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