

Abstracts

A 13-GHz YIG-Film Tuned Oscillator for VSAT Applications

Y. Mizunuma, T. Ohgihara, H. Nakano, T. Okamoto and Y. Murakami. "A 13-GHz YIG-Film Tuned Oscillator for VSAT Applications." 1988 MTT-S International Microwave Symposium Digest 88.2 (1988 Vol. II [MWSYM]): 1085-1088.

A 13 GHz tunable oscillator using YIG film grown by LPE has been developed. A very low phase noise of -90 dBc/Hz at 10 KHz from the carrier has been achieved over the entire tuning range of 500 MHz. With the excellent linear tuning characteristic, this oscillator is ideal for use as a frequency agile synthesized local oscillator in VSAT.

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