

Cavity Stabilised Oscillators for Advanced Analog and Digital Radio Links

G. Corbetta, D. Arosio and A. Marconcin. "Cavity Stabilised Oscillators for Advanced Analog and Digital Radio Links." 1983 MTT-S International Microwave Symposium Digest 83.1 (1983 [MWSYM]): 541-543.

This paper describes design and realisation criteria for a complete new line of cavity stabilised oscillators operating in the 2 to 15 GHz frequency ranges. Oscillators, using bipolar transistors and GaAs FET's, are characterised by: a 0 to 45° C frequency stability of 40 ppm in the tunable and of 20-30 ppm in the single frequency version, an RF-to-power supply efficiency of 5 to 10% and direct frequency modulation by order wire.

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