

Abstracts

Voltage Controlled Push-Push Oscillators Using Miniaturized Hairpin Resonators

H. Yabuki, M. Sagawa and M. Makimoto. "Voltage Controlled Push-Push Oscillators Using Miniaturized Hairpin Resonators." 1991 MTT-S International Microwave Symposium Digest 91.3 (1991 Vol. III [MWSYM]): 1175-1178.

This paper describes the fundamental characteristics of newly developed compact stepped impedance hairpin resonators having parallel coupled lines and shows their application to voltage controlled push-push oscillators for UHF band operation. The experimental push-push oscillators which were built using these resonators made it clear that they have the advantage of providing compact size, low phase noise and wide tuning operation.

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