

Abstracts

A low power 20 GHz SiGe dual-modulus prescaler

H. Knapp, T.F. Meister, M. Wurzer, K. Aufinger, S. Boguth and L. Treitinger. "A low power 20 GHz SiGe dual-modulus prescaler." 2000 MTT-S International Microwave Symposium Digest 00.2 (2000 Vol. II [MWSYM]): 731-734.

We present a dual-modulus prescaler manufactured in SiGe bipolar technology. The circuit has selectable divide ratios of 256 and 257 and is intended for use in frequency synthesizers. It operates up to a maximum frequency of 20 GHz with a supply voltage of 2.3 V and a power consumption of only 27 mW.

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