Abstracts

Wide-band SSB subharmonically pumped mixer MMIC (Dec. 1997, Part II [T-MTT])

H. Okazaki and Y. Yamaguchi. "Wide-band SSB subharmonically pumped mixer MMIC (Dec. 1997, Part II [T-MTT])." 1997 Transactions on Microwave Theory and Techniques 45.12 (Dec. 1997, Part II [T-MTT] (1997 Symposium Issue)): 2375-2379.

To achieve low conversion-loss and high image-rejection performance in the wide band for up and down conversion, an SSB subharmonically pumped mixer using an inphase RF divider/combiner is proposed. The SSB mixer monolithic microwave integrated circuit (MMIC) is integrated in a small area of 1.8/spl times/1.3 mm/sup 2/ and shows good performance at 21.6 to 30.8 GHz.

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