

Abstracts

Wide-band SSB subharmonically pumped mixer MMIC (1997 Vol. II [MWSYM])

H. Okazaki and Y. Yamaguchi. "Wide-band SSB subharmonically pumped mixer MMIC (1997 Vol. II [MWSYM])." 1997 MTT-S International Microwave Symposium Digest 2. (1997 Vol. II [MWSYM]): 1035-1038.

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 in-phase RF divider/combiner is proposed. The SSB mixer MMIC is integrated in a small area of 1.8/spl times/1.3 mm/sup 2/ and shows good performance in the range 21.6 to 30.8 GHz.

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