

Abstracts

Integrated Mixer for 18 and 26 GHz

D. Dobramysl. "Integrated Mixer for 18 and 26 GHz." 1971 G-MTT International Microwave Symposium Digest of Technical Papers 71.1 (1971 [MWSYM]): 18-19.

Two integrated mixers on a ceramic substrate of 10 mil thickness for frequencies of 18 and 26 GHz and an IF of 1 - 2 GHz have been developed. The development of Schottky-Barrier beam lead diodes for signal frequencies of 30 GHz and higher and the high state of thinfilm technology makes it possible to build low noise integrated mixers in this frequency range. The advantages are small size and a simple way of production, the disadvantages are high ohmic losses with increasing frequency.

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