

# Abstracts

## A 3:1 Bandwidth Low Noise Mixer

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*R.E. Blight. "A 3:1 Bandwidth Low Noise Mixer." 1969 G-MTT International Microwave Symposium Digest of Technical Papers 69.1 (1969 [MWSYM]): 21-25.*

The microstrip mixer shown in Fig. (1) is a broadband design based on an impedance match concept at the local oscillator drive level. It covers the frequency band 3.5-10.5 GHz. A simple balanced mixer design consists of three basic components - a 3 dB coupler, band rejection filter and a matched diode.

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