

Abstracts

Low Noise Octave Bandwidth Waveguide Mixer

L.T. Yuan. "Low Noise Octave Bandwidth Waveguide Mixer." 1977 MTT-S International Microwave Symposium Digest 77.1 (1977 [MWSYM]): 480-482.

A new broadband mixer capable of operating over two full adjacent waveguide bands (18 to 26.5 GHz and 26.5 to 40 GHz) is described. The maximum conversion loss is 6.5 dB from 20 to 40 GHz with a corresponding average DSB noise figure of 5.7 dB.

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