

Abstracts

The Image Rejection Harmonic Mixer

D. Weiner, J. Griffin and L. McCarty. "The Image Rejection Harmonic Mixer." 1982 MTT-S International Microwave Symposium Digest 82.1 (1982 [MWSYM]): 36-38.

Image channelization techniques are combined with antiparallel diode harmonic mixing to create a new type of mixer: the Image-Rejection Harmonic Mixer (IRHM). Such a mixer features: (1) adaptability to wide-bandwidth coverage with inherent image suppression, (2) simplified construction versus fundamental image rejection mixers, and (3) easier local oscillator implementation. Performance of an S-band mixer is shown.

[Return to main document.](#)