

Abstracts

4 to 40 GHz Even Harmonic Schottky Mixer

J.L. Merenda, D. Neuf and P. Piro. "4 to 40 GHz Even Harmonic Schottky Mixer." 1988 MTT-S International Microwave Symposium Digest 88.2 (1988 Vol. II [MWSYM]): 695-698.

Second harmonic mixing from 4 to 40 GHz with a 2 to 20 GHz LO has been obtained using an eight diode antiparallel bridge in a balanced microstrip circuit. The development and testing of this mixer, which includes a lumped element diplexer, was expedited by a 10X scale model at 4 GHz.

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