Abstracts

Subharmonically and Fundamentally Pumped Slotline Quasioptical Mixer

C.M. Jackson and C. Sun. "Subharmonically and Fundamentally Pumped Slotline Quasioptical Mixer." 1986 MTT-S International Microwave Symposium Digest 86.1 (1986 [MWSYM]): 293-295.

A slotline dipole quasioptical mixer has been designed, tested at 35 GHz. This quasioptical mixer has circuit elements that can act as inefficient antennas without adversely affecting mixer performance, showing another reason why the isotropic conversion loss is important for the characterization of quasioptical mixers.

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