

Abstracts

A Ka-Band Orthogonal Hybrid Fin-Line Mixer

J.S. Wong and K.-I. Chung. "A Ka-Band Orthogonal Hybrid Fin-Line Mixer." 1982 MTT-S International Microwave Symposium Digest 82.1 (1982 [MWSYM]): 379-381.

This paper describes a novel Ka-band mixer which utilizes a printed-circuit board. This device is mounted in an orthogonal hybrid tee. The design is scalable to higher millimeter-wave frequencies and provides a small (< 1 cubic inch) low-cost mixer with typical conversion loss of 6 dB.

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