

Abstracts

A planar varactor array multiplier chain to 300 GHz

T. Newman and N. Erickson. "A planar varactor array multiplier chain to 300 GHz." 1999 MTT-S International Microwave Symposium Digest 99.1 (1999 Vol. 1 [MWSYM]): 135-138 vol. 1.

A cascaded chain of two frequency doublers with an output frequency of 300 GHz has been designed and tested. Each of the doublers uses a planar varactor array of 4 anodes on one substrate in an antiseries configuration. An output power of 6.1 mW and an efficiency of 7.2% were achieved.

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