

Abstracts

A Thin-Film X-Band Varactor Quadrupler (Dec. 1967 [T-MTT]) (Correspondence)

J.B. Horton. "A Thin-Film X-Band Varactor Quadrupler (Dec. 1967 [T-MTT]) (Correspondence)." 1967 Transactions on Microwave Theory and Techniques 15.12 (Dec. 1967 [T-MTT]): 752-754.

A thin-film single idler varactor quadrupler which uses microstrip transmission-line circuitry on ceramic substrate and an unpackaged beam lead varactor are described. Circuit design and the resulting microstrip pattern are discussed; experimental data are presented. Multiplier construction, including information concerning the beam lead varactor and the techniques for bonding it in the circuit pattern, is discussed.

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