

Abstracts

The Overdriven Varactor Upper Sideband Upconverter

A.I. Grayzel. "The Overdriven Varactor Upper Sideband Upconverter." 1967 *Transactions on Microwave Theory and Techniques* 15.10 (Oct. 1967 [T-MTT]): 561-565.

The equations for the overdriven upper sideband upconverter are derived and computer solutions are given for the abrupt junction, graded junction, and punch through varactor. The necessary design parameters are presented for the design of an upconverter. The performance of the abrupt, graded, and punch through varactors are compared.

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