

# Abstracts

## X to K Band Broadband Varactor Frequency Doubler (Correspondence)

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*G. Kurpis and J. Taub. "X to K Band Broadband Varactor Frequency Doubler (Correspondence)." 1966 Transactions on Microwave Theory and Techniques 14.2 (Feb. 1966 [T-MTT]): 94-94.*

This correspondence describes a broad-band X to K band varactor frequency doubler. Instantaneous bandwidths of 12 percent at 20 percent efficiency or 19 percent at 2 percent efficiency were obtained. Typical bandwidths of varactor multipliers at these frequencies had been reported at about one percent. Broadband varactor frequency multipliers with C-band or lower output frequencies, designed in coaxial or strip transmission line circuits, had been reported by C. L. Cuccia and by R. J. Wenzel.

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