

Abstracts

Varactor Frequency Halvers with Enhanced Bandwidth and Dynamic Range

R.G. Harrison and W.D. Cornish. "Varactor Frequency Halvers with Enhanced Bandwidth and Dynamic Range." 1986 MTT-S International Microwave Symposium Digest 86.1 (1986 [MWSYM]): 305-308.

A one-and-one-third-octave frequency halver has been developed to accommodate the 7-18 GHz input band, the widest bandwidth yet reported. Dynamic range capabilities of varactor halvers can be increased from 7 dB to about 20 dB by means of a novel "sliding bias" circuit.

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