

Abstracts

Broadband Frequency Dividers Using Microwave Varactors

R.G. Harrison. "Broadband Frequency Dividers Using Microwave Varactors." 1977 MTT-S International Microwave Symposium Digest 77.1 (1977 [MWSYM]): 80-82.

A novel configuration using GaAs varactors in a balanced circuit incorporating both coplanar waveguide and microstrip elements has permitted the construction of frequency dividers which have near-octave divide-by-two bandwidth and excellent response to pulsed r.f. inputs. The design and performance of such a frequency divider for inputs in the 4 to 8 GHz range is discussed.

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