

Abstracts

Chair-Barrier Varactors on GaAs for Frequency Triplers

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Earlier single-barrier varactors (SBV) had low Q because of leaky barriers. By placing a thin AlAs layer in the center of an Al_{0.4}Ga_{0.6}As barrier and using In_{0.2}Ga_{0.8}As spacers we increase the effective barrier height, thereby achieving SBVs with both high Q and good capacitance-modulation characteristics.

[Return to main document.](#)