

Abstracts

Frequency and phase selective magnetostatic wave switch

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A new type of magnetostatic wave gate microwave switch, which has both frequency and phase selectivity features, is presented. This switch is triggered by microwave signal and has output amplitude modulation over 30 dB and phase sensitivity about 1 dB/grad. Only the signals which match the gate frequency and phase are passed by the switch, therefore it fulfils not only switching features but features of a phase and frequency matched filter as well.

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