

Abstracts

Active Varactor Tunable Bandpass Filter

S.R. Chandler, I.C. Hunter and J.G. Gardiner. "Active Varactor Tunable Bandpass Filter." 1993 Microwave and Guided Wave Letters 3.3 (Mar. 1993 [MGWL]): 70-71.

A microstrip active varactor tunable bandpass filter is presented. The filter is based upon the negative resistance method using a microstrip combline network. A 1.8-GHz, two-pole device with a bandwidth of 2% was constructed. 0.6 octave tuning with significant improvement in passband performance was achieved compared with its passive counterpart.

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