Abstracts

Quarter-Wavelength Coupled Variable Bandstop and Bandpass Filters Using Varactor Modes (Short Papers)

S. Toyoda. "Quarter-Wavelength Coupled Variable Bandstop and Bandpass Filters Using Varactor Modes (Short Papers)." 1982 Transactions on Microwave Theory and Techniques 30.9 (Sep. 1982 [T-MTT] (Special Issue on Microwave Filters)): 1387-1389.

A quarter-wavelength coupled bandstop filter rising varactor diodes for the 6-GHz band has been proposed and tested. Frequency giving maximum attenuation varies from 4.4 GHz-7 GHz. A quarter-wavelength coupled variable bandpass filter using varactor diodes for the 4-GHz band is also proposed and tested. The passband width varies from 730 MHz-1.22 GHz. The center frequency of the filter can also be changed.

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