

Measurement Systems

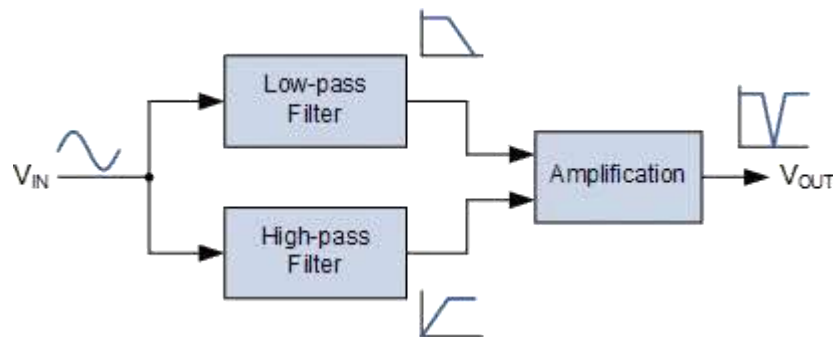
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LAB 6: Design of notch filter for ECG and EEG.



A notch filter (also known as a bandstop filter or reject filter) is defined as a device that rejects or blocks the transmission of frequencies within a specific frequency range and allows frequencies outside that range. Notch filters eliminate transmission of a narrow band of frequencies and allow transmission of all the frequencies above and below this band. As it eliminates frequencies hence, it is also called a band elimination filter.

A notch filter is essentially a band stop filter with a narrow stopband and two passbands. As in the band-pass case, a band-reject filter can be either wideband or narrow-band.

Circuit Diagram-

