

low pass filter

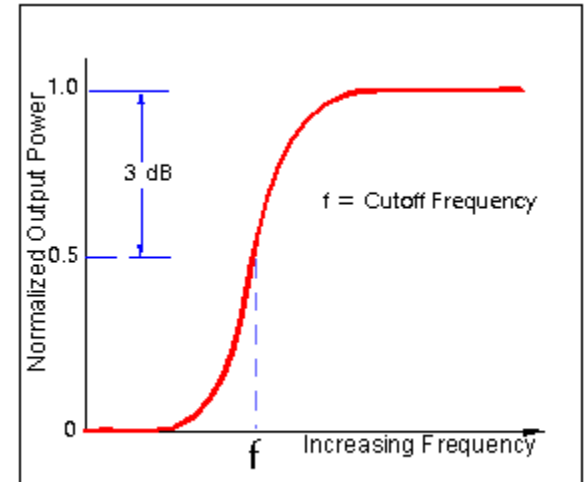
Filters attenuate the frequency range either above or below the cut-off point.

Low pass filter (LPF): allows frequencies below its cut-off point to pass.

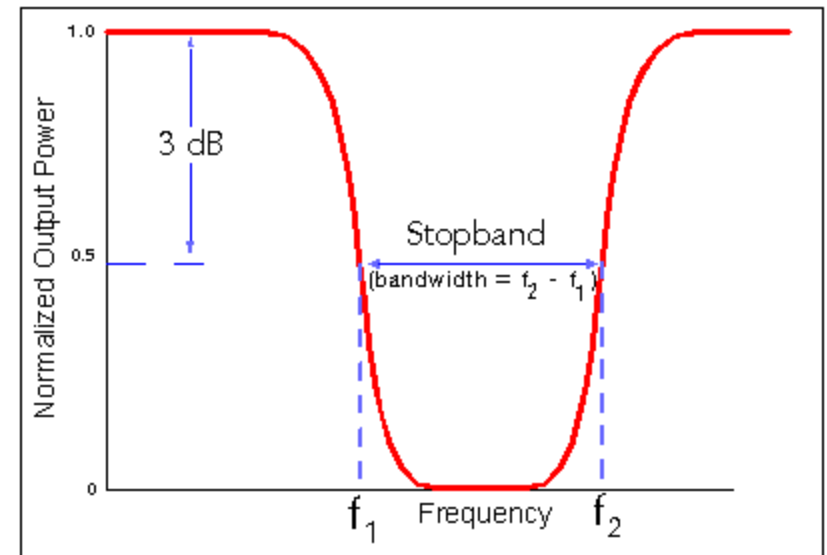
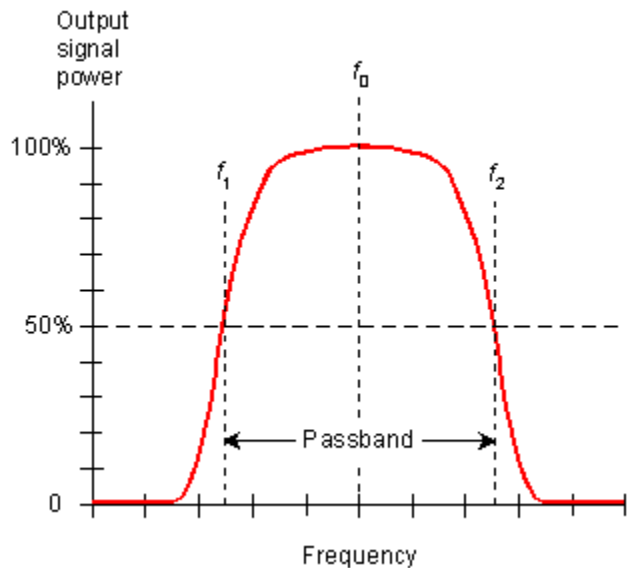
High pass filter (HPF): allows frequencies above its cut-off point to pass.

Band-pass filter (BPF): allows the frequencies that lie within the range of both a LPF and HPF to pass.

Band-stop filter (BSF): cuts off the frequencies between a LPF and a HPF.



high-pass filter



band-stop filter