

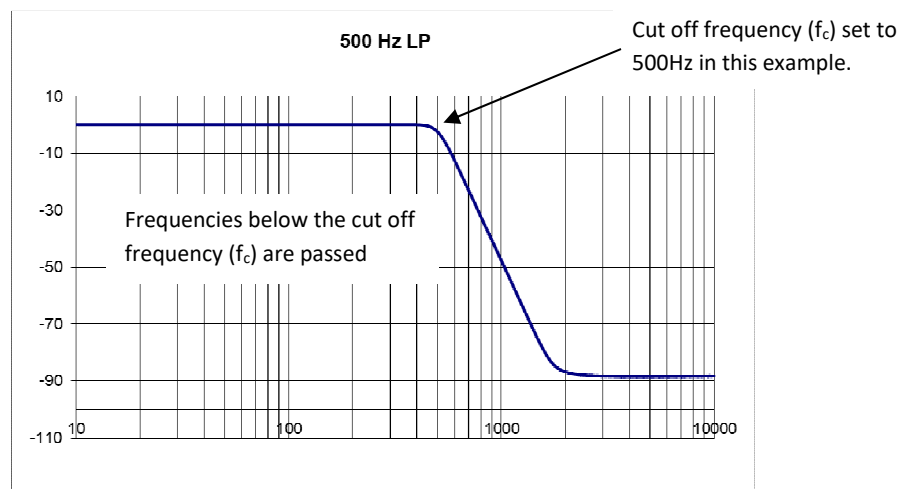
Technical note series: An introduction to Filters – Article 2

What type of Filters can I use?

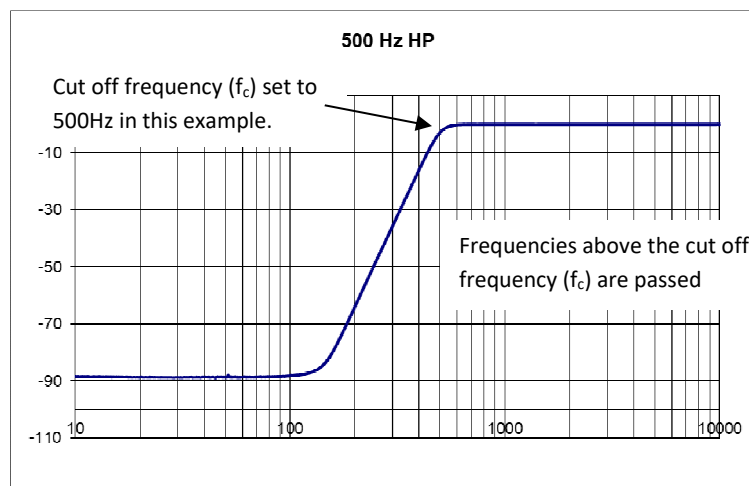
We covered the basics of what is an electronic filter and filter design in article one of this series.

In this article we will introduce the different common filter types that are used in signal processing.

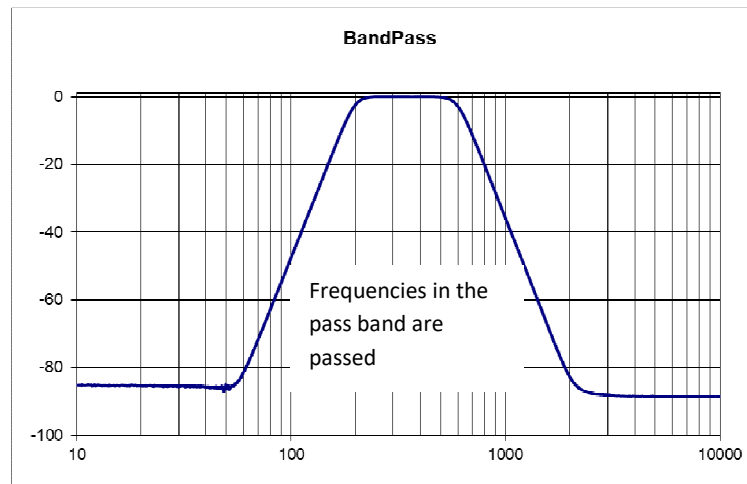
Low Pass filter: A low pass filter passes frequency content lower than a specified cut off frequency whilst attenuating frequencies above the cut off.



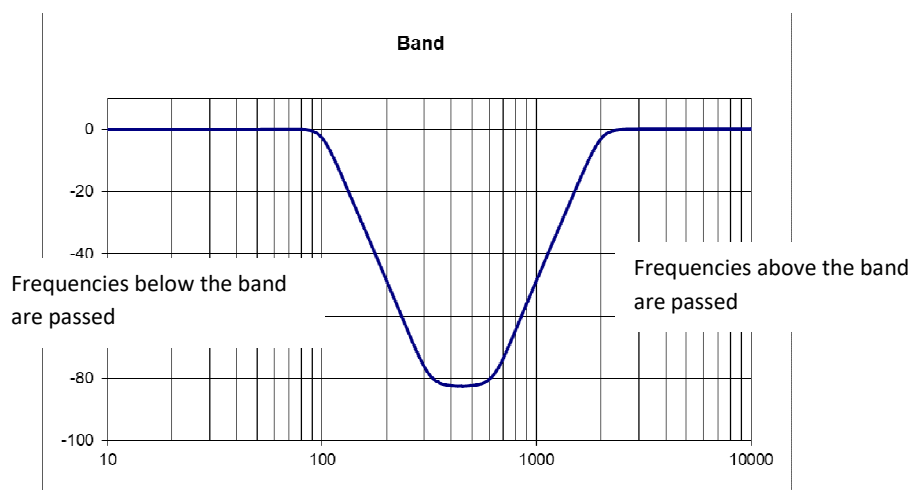
High Pass filter: A high pass filter passes frequency content higher than a specified cut off frequency whilst attenuating frequencies below the cut off.



Band Pass filter: A band pass filter is effectively a combination of a high pass and low pass filter acting together to create a pass band.



Band Stop filter: A band stop filter is the opposite to a band pass filter whereby the frequencies within the band are attenuated and the frequencies outside the band are passed



Notch filter: A notch filter is a type of band stop usually with a narrow band and high Q

The shape of filter responses and the different filter specifications are reviewed in future articles of this series.

Kemo Ltd sales@kemo.com

This document, its content and copyright belongs to Kemo Limited ©