

Applications of High Pass Filter

The high pass filter applications mainly include the following.

- ☐ These filters are used in speakers for amplification.
- ☐ High pass filter is used to remove unwanted sounds near to the lower end of the audible range.
- ☐ To prevent the amplification of DC current that could harm the amplifier, high pass filters are used for AC-coupling.
- ☐ High Pass filter in Image Processing: High pass filters are used in image processing for sharpening the details. By applying these filters over an image we can exaggerate every tiny part of details in an image. But overdoing can damage the image as these filters amplify the noise in the image.
- ☐ There are still lots of developments to be made in the design of these filters to achieve stable and ideal results. These simple devices play a significant role in various control systems, automatic systems, Image and audio processing.