

# Download Basic Operational Amplifiers

Operational amplifiers are linear devices that have all the properties required for nearly ideal DC amplification and are therefore used extensively in signal conditioning, filtering or to perform mathematical operations such as add, subtract, integration and differentiation. An Operational Amplifier or op-amp is a voltage amplifying device designed to be used with external feedback components such as resistors and capacitors between its output and input terminals. It is a high-gain electronic voltage amplifier with a differential input and usually a single-ended output. What are Operational Amplifiers? Operational amplifiers are the basic building blocks of Analogue electronic circuits. They are linear devices with all properties of a DC amplifier. Basic op-amp circuits. Although operational amplifiers are widely used as amplifiers, they can also be as the basis of many other circuits. As op amp circuits place feedback around the amplifier, changing this changes the properties of the overall circuit.