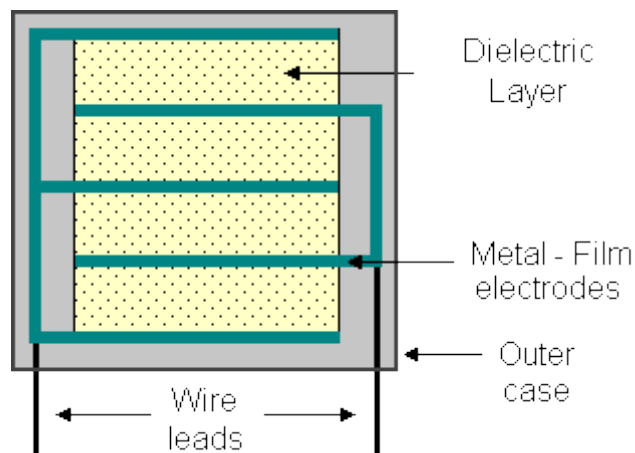


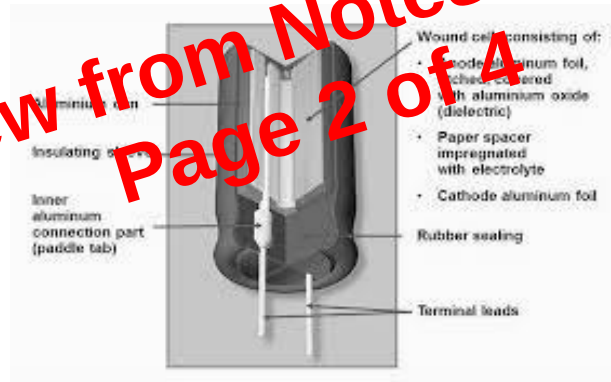
ii) Mica Capacitor



The mica capacitor is constructed by pushing two metal coated mica sheets together to create the shape and form of the capacitor as well as holding the components together within the small area. The capacitor is then coated in an epoxy resin to protect it from corrosion and moisture.

The mica capacitor, because of its composition, as well as its low loss characteristic, is commonly used for high frequency circuits, such as filters. The most common reason for using a mica capacitor is their stability when being used in an electrical circuit.

iii) Electrolytic Capacitor



Electrolytic capacitors are made of two aluminium foil layers and a paper layer, of which has electrolyte soaked into it. One of the aluminium layers is coated in an electrolysed oxide layer while the other one isn't, of which acts as the cathode, while the coated one acts as the anode. The stack of layers is rolled to fit into the casing, to which two pins are added to connect the anode and the cathode to the circuit board.

Electrolytic capacitors are used in input/output smoothing. They do not work well under high amplitude/frequency situations. One major use for this type of capacitor is that of inside an audio amplifier to reduce mains humming.