Basic Electrical Engineering ECS 203

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6. L & C



Office Hours:

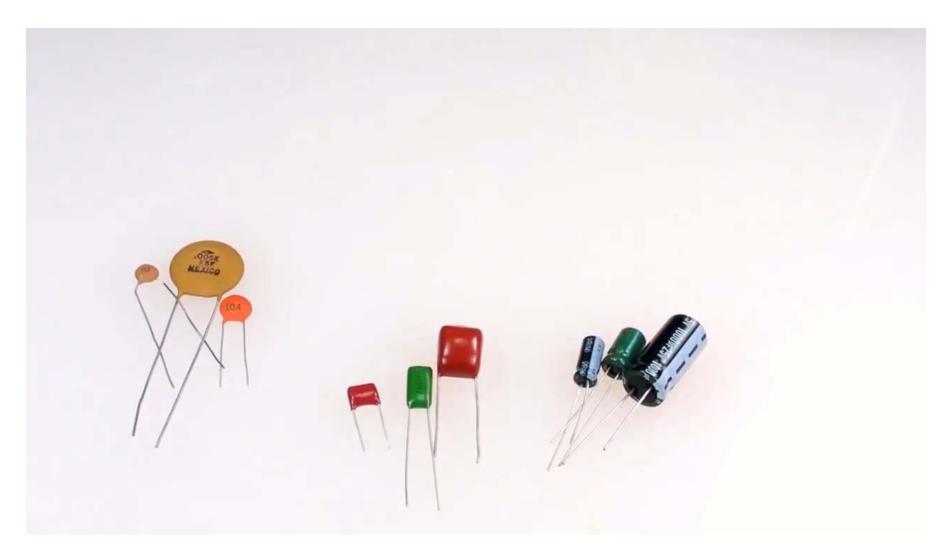
BKD, 4th floor of Sirindhralai building

Monday 14:00-16:00

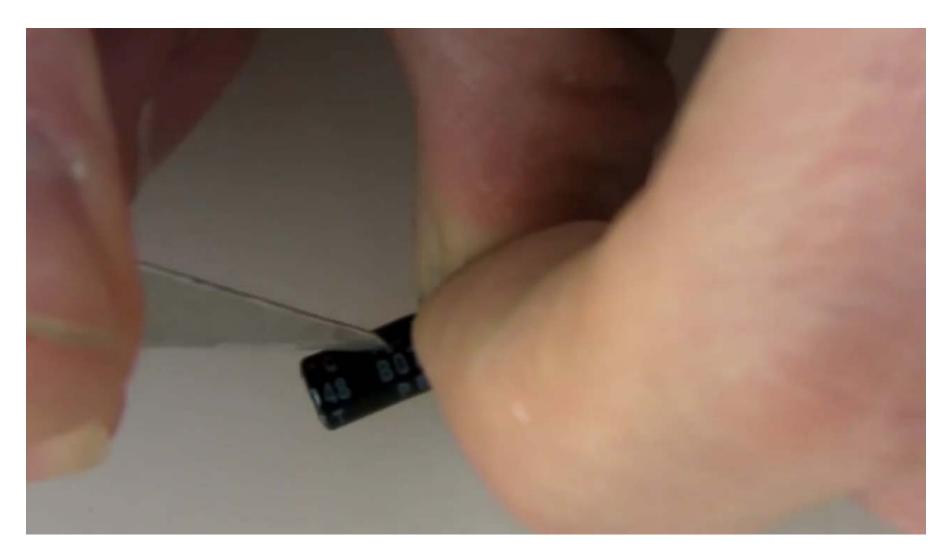
Thursday 10:30-11:30

Friday 12:00-13:00

Types of Capacitors

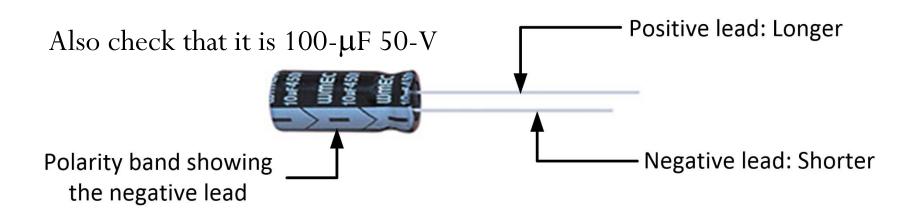


Inside an electrolytic capacitor

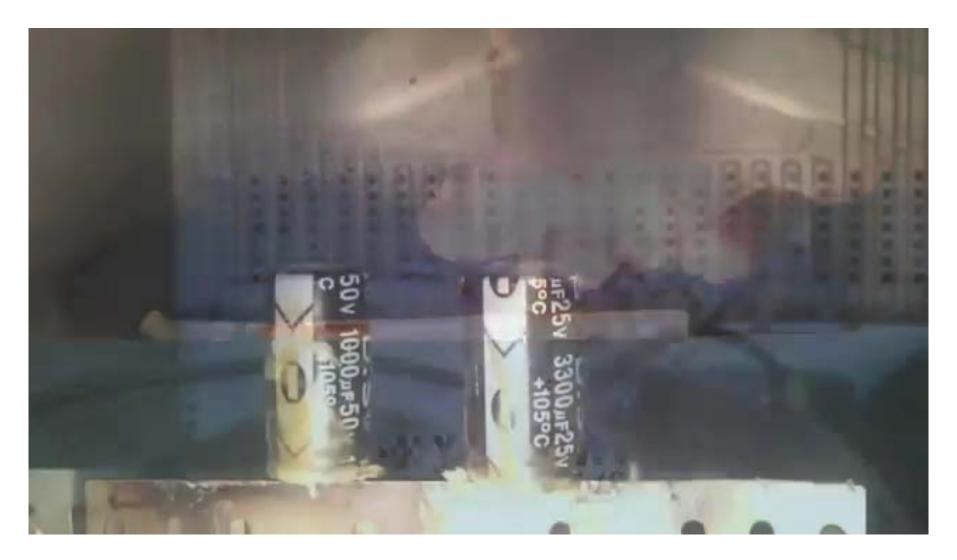


Electrolytic Capacitor

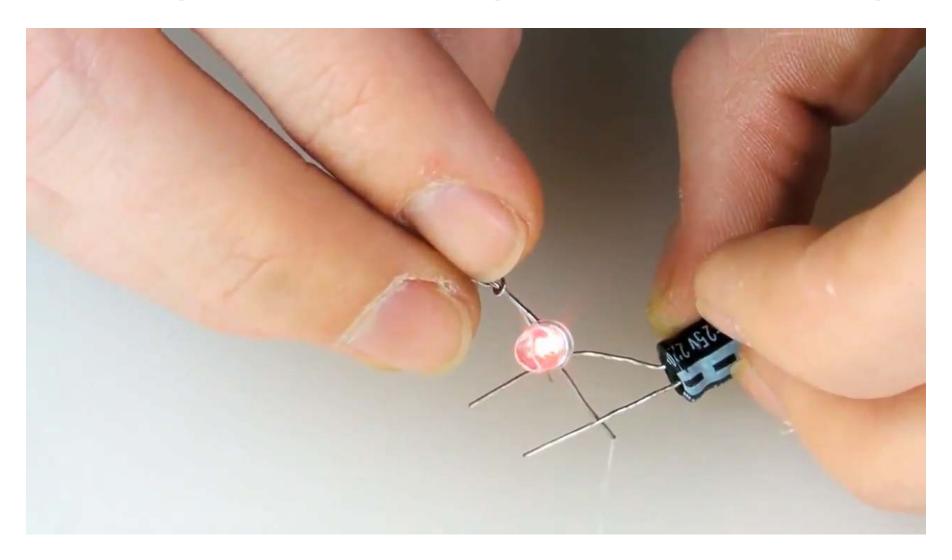
- The polarity is almost always indicated by a printed band.
 - The lead nearest to that band is the cathode lead (-).
- Additionally, the positive lead is usually longer.
- Hook them up the wrong way and at best, you'll block the signal passing through. At worst (for higher voltage applications) they'll **explode**.



Exploding capacitor



Storing and releasing the stored energy



Inductors



Melting wire (inductor)

