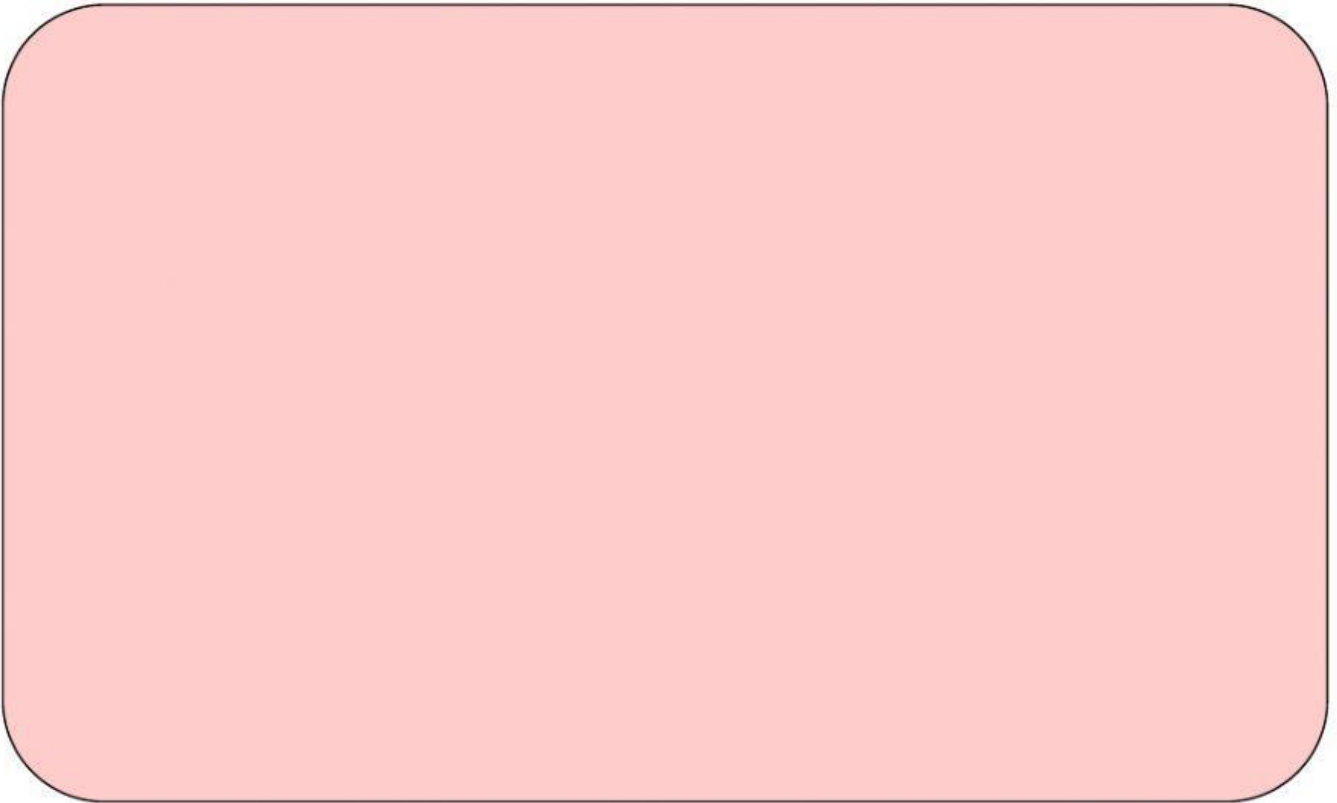


UNIT 6: CAPACITORS



LESSON 1

ACTIVITY 1: Watch the video.



ACTIVITY 2: Drag and drop the words below the pictures.

TRIMMER CAPACITORS

ELECTROLYTIC
CAPACITOR

PLASTIC
CAPACITORS

CERAMIC
CAPACITORS

TANTALUM
CAPACITORS



ACTIVITY 3: Read the catalog page. Use a dictionary if necessary. (Las palabras del glosario –ver cuadro rojo– son palabras que están en esta actividad y en la siguiente)



AVC 299303. Ceramic disc capacitor. **\$0.69/unit**
 Non-polarized multilayer **ceramic capacitor**.
 Flame-retardant. Typically used for coupling, and
 bypass applications.
 Capacitance: 0.068 μf (microfarad)
 Voltage **rating**: 50V
 Operating temperature **range**: +10°C to +85°C

AVP 345005. **Plastic (mylar) capacitor**. **\$0.90/unit**
 Non-polarized polyester film (mylar) **insulator** and
 metal **plates** encased within a hard epoxy coating.
 Coating protects against moisture. Designed for use in
 general purpose DC applications.
 Capacity: 0.0047 μf (microfarad)
 Voltage rating: 100V
 Operating temperature range: -67°F to 185°F

AVE 304050. **Electrolytic capacitor**. **\$0.39/unit**
 Aluminum capacitors designed for applications needing
 high capacitance, low cost, and very small size such
 as in personal computers and medical electronics.
 Capacitance : 22 μf (microfarad)
 Voltage rating: 50V
 Operating temperature range: -40°F to 185°F
 All of our capacitors contain **marks** indicating, at
 minimum, their capacitance.
 Check out our **tantalum capacitors** and **trimmer**
capacitors on the next page!



Glossary:

Used for/to: usado para.../ se usa para...

Encased within: recubierto dentro de...

Designed for/to: diseñado para...

Can be used in: puede ser usado en...

Wetness: humedad

Highest capacitance rating: la medición de capacitancia más alta.

ACTIVITY 4: Mark the following statements as True (t) or False (f).

- 1 ☐ The electrolytic capacitors can be used in laptops.
- 2 ☐ The plastic capacitor is designed to resist wetness.
- 3 ☐ The ceramic capacitor has the highest capacitance rating.

