ElectroFilm Technology is a material system used by CDE to fabricate custom capacitors for stable high capacitance, high voltage and/or high current and low ESR applications. ElectroFilm can be made with metallized polypropylene or metallized polyester at very high capacitance values and could be used to replace electrolytic capacitors where increased reliability is desired. ElectroFilm is self-healing, non-polar, and typically has 10 times the ripple current capability, 20 times greater life expectancy and 500 times lower ESR than comparable electrolytic capacitors. A lower in-place cost is achieved by using ElectroFilm Capacitors, because 65% fewer capacitors are generally needed when compared to aluminum electrolytic capacitors for the same application.

### Features
- **Voltage Range:** 300 Vdc to 1200 Vdc
- **Capacitance Range:** 7.5 µF to 600 µF
- **Operating Temperature Range:** -55°C to +85°C
- **Ripple Current Capability:**
  - 25°C: 13.8 Arms to 39.2 Arms
  - 50°C: 11.1 Arms to 31.5 Arms
  - 75°C: 6.8 Arms to 19.2 Arms

### Type Designation
- **UNL - Snap-In Capacitor Metallized Polypropylene**
- **UPP - Screw Terminal Metallized Polypropylene**
- **UPE - Screw Terminal Metallized Polyester**
### CDE ElectroFilm Capacitors - Alternative to Aluminum Electrolytics

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Cap μF</th>
<th>Vdc</th>
<th>Diel.</th>
<th>D</th>
<th>H</th>
<th>S</th>
<th>E.S.R. mΩ @ 1 kHz</th>
<th>25 °C Arms</th>
<th>50 °C Arms</th>
<th>75 °C Arms</th>
<th>Joules</th>
<th>dV/dt µs</th>
<th>ESL (nH)</th>
<th>S.R.F. kHz</th>
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</tr>
</tbody>
</table>

*Pin: 0.050 " Tapered to 0.035 "*

*Pin Base to Below Case Stand-off*

*Leads to be tin dipped in 60/40 solder*

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**UNL**

**UPE & UPP**

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