KO-CAP polymer electrolytic capacitors combine the stable capacitance of tantalum technology with the reduced ESR of a conductive polymer cathode. KO-CAP brings these benefits and features to the automotive space.

### Benefits
- Stable capacitance across conditions
- Broadband low ESR
- High volumetric efficiency
- 85°C/85% RH AEC THB test qualified
- No piezoelectric noise

### Electrical Characteristics
- **Operating Temperature**: -55°C to +125°C (+150°C T599)
- **Rated Capacitance**: 2.5 – 680 μF (±20% tol.)
- **Rated ESR @ 100kHz**: 6 – 200 mΩ maximum
- **Rated Voltage**: 2.5 – 75 V

### KO-CAP Automotive Series Selection Guide

![Graph showing Capacitance vs. Voltage for T597, T598, and T599](image)

**Part Number System**

- **T598**
  - D
  - 687
  - M
  - 2PR5
  - A
  - T
  - E009
  - ESR @ 100kHz (mΩ)

- **Termination**
- **Voltage code**
- **Tolerance code**
- **Capacitance code**
- **Case Size**
- T599: 150C-rated | T598: 125C-rated | T597: Small case

![Graph showing Capacitance vs. Voltage for T597, T598, and T599](image)

**www.kemet.com/ko-cap**