KEMET
a YAGEO company

AUTOMOTIVE GRADE POLYMER ELECTROLYTIC CAPACITORS

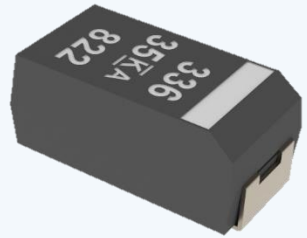
KO-CAP Automotive Series

AEC-Q200

Overview

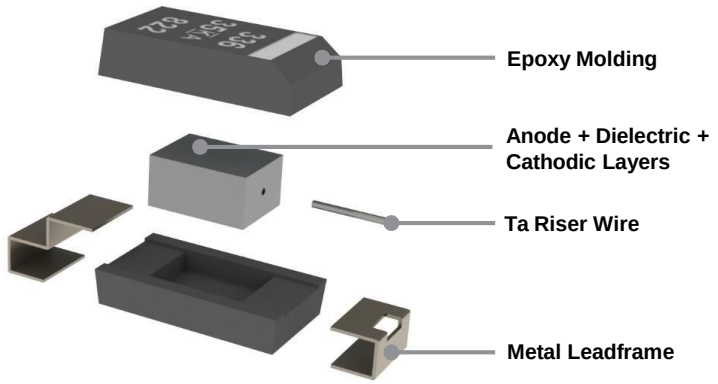
KO-CAP polymer electrolytic capacitors combine the stable capacitance of tantalum technology with the reduced ESR of a conductive polymer cathode. KO-CAP brings these benefits and features to the automotive space.

Electrical Characteristics

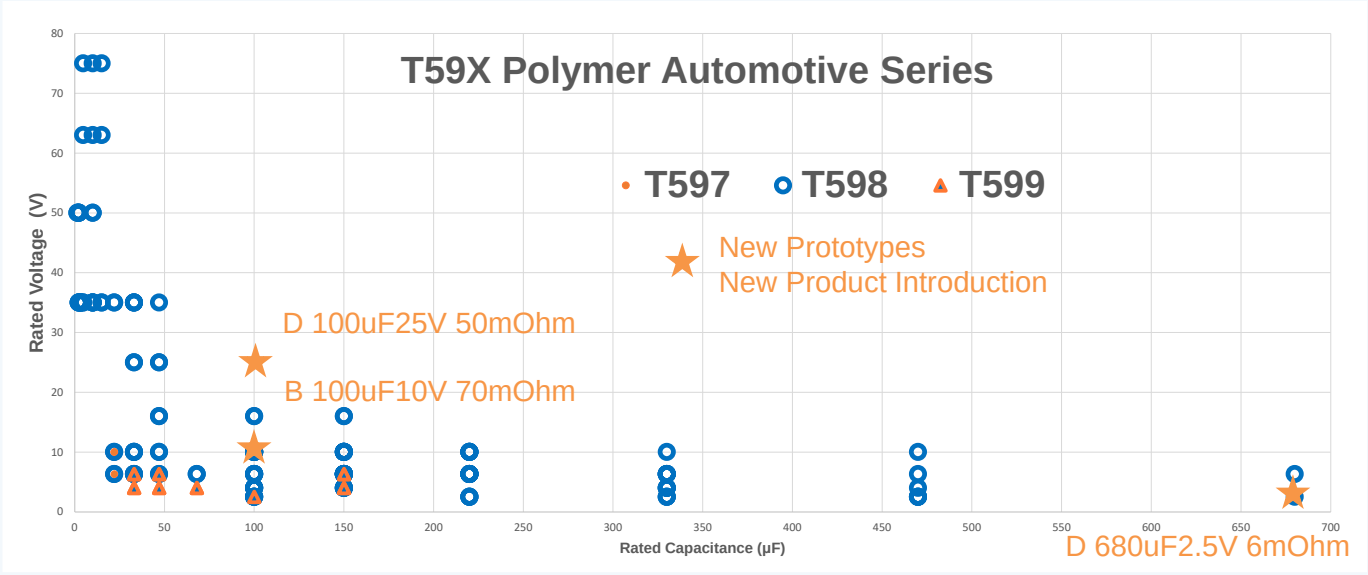


- Operating Temperature Rated: −55°C to +125°C (+150°C T599)
- Capacitance Rated: 2.5 – 680 µF (±20% tol.)
- ESR @ 100kHz: 6 – 200 mΩ maximum
- Rated Voltage: 2.5 – 75 V

Construction



KO-CAP Automotive Series Selection Guide



★ Contact Sales Representative

Benefits

- Stable capacitance over temperature, voltage and time
- Broadband low ESR
- High volumetric efficiency
- 85C/85% RH AEC THB test qualified
- No piezoelectric noise

Part Number System

T598 D 687 M 2R5 A T E009 — ESR @ 100kHz (mΩ)

- **E009** — ESR @ 100kHz (mΩ)
- **T** — Termination
- **A** — Voltage code
- **2R5** — Tolerance code
- **M** — Capacitance code
- **687** — Case Size
- **D** — **T599**: 150C-rated | **T598**: 125C-rated | **T597**: Small case
- **T598**

www.kemet.com/ko-cap