
Automotive

Capacitors



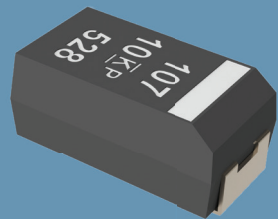
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AUTOMOTIVE
EXPERIENCE

**AEC
Q200**

1st AEC-Q200
qualified
polymer
electrolytic
T598

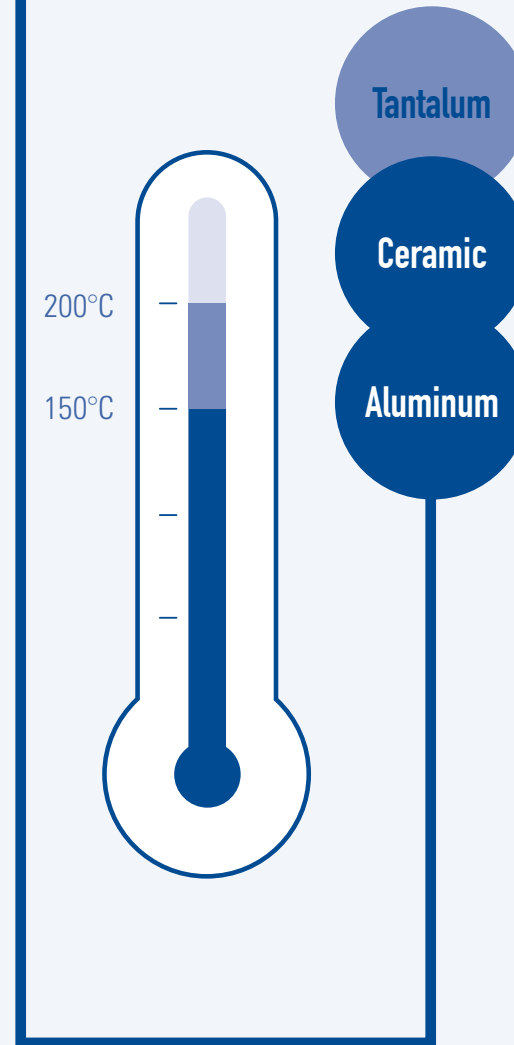
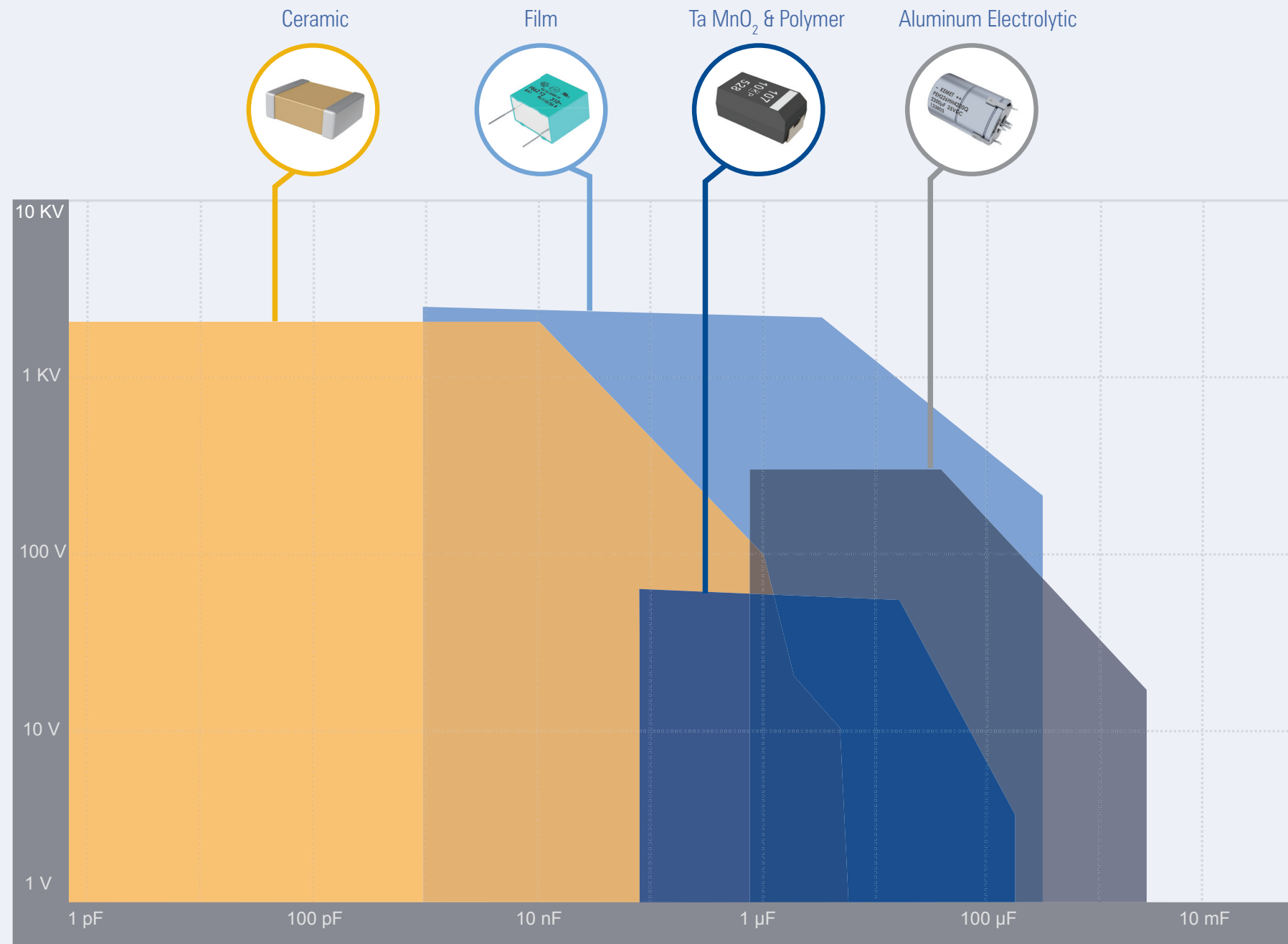


*ISO 9001
ISO/TS 16949*

Powertrain

ADAS

Infotainment

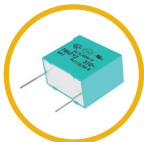


kemet.com/automotive

Support for
DV & PV

PPAP
availability



Product	Series	Advantages	Functions	Automotive Applications
Aluminum 	PEG PEH EDT EDH EEV EXV	Very stable High vibration Up to 150°C 28 A of ripple (RMS) Axial, snap-in & SMD	Bulk capacitance Decoupling DC link Filtering	Powertrain Safety On-board charging Infotainment ADAS
Ceramic 	COG U2J X7R X8L X8R	High voltage > 500 V (COG, X7R) High temperature 150°C (X8L, X8R) ESD rated (COG, X7R) Flex mitigation	Decoupling Filtering Snubber Circuit protection Blocking and sensing	Powertrain Infotainment Airbags Keyless entry systems ADAS
Film 	A50 R4x C4E R6x F862 R7x LDE R8x P295 SMR PME295 C4AQ	High humidity/AEC-Q200 (F862)	Decoupling DC link Filtering Snubber	Powertrain Infotainment ADAS Electric chargers
KO-CAP® Polymer 	T591 T598 T599	High humidity High humidity 125°C AEC-Q200 High humidity 150°C AEC-Q200	Bulk capacitance Decoupling	Infotainment ADAS Chassis & safety
Tantalum MnO ₂ 	T49x T5xx T489	High temperature (T498, T499, T500) Low DCL	Bulk capacitance Decoupling	Powertrain ADAS



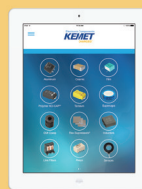
Capacitor Simulation Tool

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