



The DNA of tech.™

152 CME / 192 CTX Aluminum Electrolytic Capacitors

High Voltage SMD Series up to 450 V and 33 μ F for Long Lifetime Applications and Extended Reliability



ADVANTAGE

Higher voltage range in SMD design allows the replacement of old high voltage through-hole radial designs with all advantages of SMT mounting and soldering.

KEY PRODUCT FEATURES

- ✓ Long useful life up to 125 °C for usage in hot and harsh environments
- ✓ SMT solderability saves costs and time (Soldering heat resistant according to IPC / JEDEC-STD-020)
- ✓ AEC-Q200 qualified for highest reliability



RESOURCES

152 CME



[Product Page](#)

192 CTX



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[Related Documents](#)

MARKETS & APPLICATIONS



MOBILITY

- E-Mobility charger
- DC/DC converter



INDUSTRIAL

- Input filter in power supplies
- Motor drives
- LED driver / control



CONSUMER

- DC/DC converter
- LED applications



ENERGY SECTOR

- Solar Inverters

ADDITIONAL BENEFITS

- High voltage SMD capacitors are developed to fit perfectly in industrial and EV design-ins.
- New green energy applications are working with higher voltages to reduce the power losses in all segments.
- Especially in battery management units and lightning applications high voltage capacitors are needed for buffering and filtering.
- Vishay's SMD products are using 4- and 6-pin baseplates for approved product design of high reliability in harsh environments.



Product Characteristics

Description	152 CME	192 CTX
Nominal case sizes	10 x 10 to 18 x 21 mm	10 x 10 to 18 x 21 mm
Capacitance range	2.2 μ F to 33 μ F	2.2 μ F to 33 μ F
Rated voltage range	400 V to 450 V	400 V
Category temperature range	-40 °C to +105 °C	-40 °C to +125 °C
Useful life at upper cat. temp.	up to 6000 h (105°C)	up to 2500 h (125°C)
Useful life at 40 °C 1.8 x IR applied	up to 300 000 h	up to 150 000 h
Based on sectional specification	IEC 60384-18 / CECC 32300	
Automotive qualified	AEC-Q200	

Automotive grade capacitors deliver stable performance for automotive electronics. These AEC-Q200 qualified capacitors likewise deliver reliable performance in industrial applications and renewable energy products.

Please contact us if you would like to purchase [152 CME](#), [192 CTX](#) or order a [sample kit](#).