



AUTOMOTIVE SUPERCAPACITORS

SCC Series



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<https://datasheets.kyocera-avx.com/SCCU30E356SRBQ.pdf>

BASIC OVERVIEW

SCC SuperCapacitor products rated at the voltage levels of 2.7V & 3.0V and which have been tested and qualified to the Automotive standards including AEC-Q200 & IEC 62368-1:2018. Through the PR, we are going to initially release (4) products:

SCCU30E356SRBQ 35F, 3.0V

SCC40E506SRBQ 50F & 3.0V

SCCV60B107SRBQ 100F & 2.7V

SCCV60E107SRBQ 100F & 3.0V

KEY SPECIFICATIONS

SCC SuperCapacitor products qualified to the Automotive standards including AEC-Q200 & IEC 62368-1:2018.

GENERAL CHARACTERISTICS

The SCC series of cylindrical electrochemical double-layer capacitors offers excellent pulse power handling characteristics based on the combination of very high capacitance and very low ESR. Used by themselves or in conjunction with primary or secondary batteries, they provide extended back up time, longer battery life, and provide instantaneous power pulses as needed. Offers great solutions to Hold-Up, Energy Harvesting, and Pulse Power Applications.

TOP SELLING POINTS & FEATURES

Meets the requirements of AEC-Q200 & IEC 62368-1:2018 standards for the automotive industry.



APPLICATIONS

- eLatch
- eCall
- Motor Stabilization
- eVideo / eCamera





KYOCERA AVX ADVANTAGE VS. COMPETITOR PRODUCT

Advantages:

- KYOCERA AVX has 33 research, design, manufacturing and customer support facilities in 16 countries.
- KYOCERA AVX produces capacitors, inductors, filters, resistors, couplers, diodes and circuit protection devices, connectors, antennas as well as sensor and control modules.
- Automotive is KYOCERA AVX's largest market by revenue.
- Successful customer story from the multimillion \$ Magana project can be shared with other customers.
- We are currently working on the following projects with similar applications:
Brose (Europe)
U-Shin (Japan)
- We will soon be releasing more products ratings qualified to the AEC-Q200 standard requirements.

Competition:

- Eaton - TVA Series (25F to 100F)
- Maxwell - K2/DuraBlue (3,000F & 2.85V) + D Cell (12F & 2.7V) + HC Series (12F & 2.7/2.3V)
- Kemet - FU0H & FU0H105ZF Series (1F & 5.5V) + FMD Series (0.33F & 5.5V)

FAQs

Q: What are the qualified KYOCERA AVX SuperCapacitor products for the automotive industry?

A: SCCU30E356SRBQ 35F & 3.0V
SCC40E506SRBQ 50F & 3.0V
SCCV60B107SRBQ 100F & 2.7V
SCCV60E107SRBQ 100F & 3.0V

Q: Are you planning to have more qualified SuperCapacitor products?

A: Yes. More products are coming soon.

Q: How can I order?

A: Please visit: <https://www.kyocera-avx.com/products/supercapacitors/scc-series-automotive-grade/>

IMMEDIATELY AVAILABLE PART NUMBERS

SCCU30E356SRBQ 35F & 3.0V
SCC40E506SRBQ 50F & 3.0V
SCCV60B107SRBQ 100F & 2.7V
SCCV60E107SRBQ 100F & 3.0V

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