



BASIC OVERVIEW



KAVX's portfolio of electrochemical double layer capacitors (supercapacitors) that include SCC and SCM Series 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. These large energy storage devices offer great solutions to hold up, energy harvesting, pulse power applications, and battery replacement/supplementing.

TECHNICAL INFORMATION

SuperCapacitors

SCC Series



- 2.7V and 3.0V rated voltage
- 1F to 3000F capacitance
- -40°C to +65°C temperature range at rated voltage, extended to +85°C with appropriate derating
- Offer exclusive SCC LE Series featuring special low ESR designed parts

SCM Series



- 5.0V to 9.0V rated voltage, excluding large modules
- 0.33F to 15F capacitance
- -40°C to +65°C temperature range at rated voltage, extended to +85°C with appropriate derating
- Offer exclusive High Reliability SCM Series featuring moisture resistance technology

KEY FEATURES / BENEFITS

- Wide capacitance offering ranging from 3.3mF to 3000F depending on series
- High pulse power and large energy storage capabilities
- Very low ESR and low leakage current
- Long cycle life up to 500,000 cycles
- Series and/or parallel connection customizable to attain higher working voltages
- Can deliver parts with bent leads or other custom wire, connector, or solder/weld terminals

APPLICATIONS



- Smart Metering
- Memory Backup
- Peak Power Assist
- Telemetry
- Energy Harvesting

- Pulse Power
- UPS
- Battery Supplement
- Electronic Locks
- Handheld Devices

Large Modules | SuperCapacitors

SCM 16V-500F



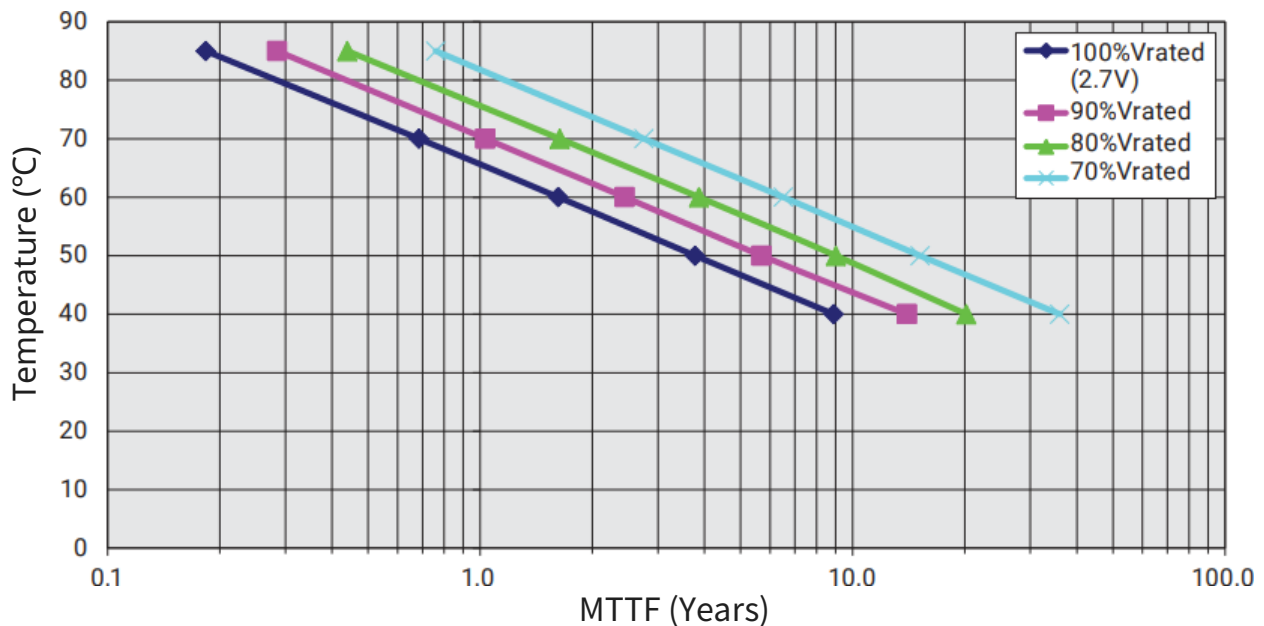
SCM 48V-165F



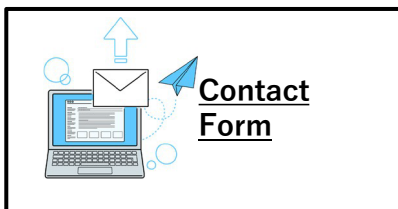
High voltage resistance and large capacity are achieved by connecting supercapacitors in series and parallel.

Can be customized.

MTTF Life Table (SCC • SCM Series)



Contact Us



The Important Information/Disclaimer is incorporated in the catalog and/or this page by reference and should be reviewed in full before placing any order or inquiry.