

AVX SUPERCAPACITOR OVERVIEW



AVX offers complete portfolio of supercapacitor solutions, stretching from single cells to large modules. Ready to customize according to customer needs.

PrizmaCap™



RANGE

Series	SCP
Dimensions	25x24 to 150x85 mm
Capacitance	1 F – 500 F
Voltage	1.1 – 2.1 V
Leakage current	5 – 100 uA
ESR	2 – 500 mΩ
TEMP. range	-55°C to +90°C

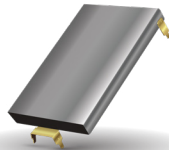
FEATURE

- Low height
- High temperature
- Light weight
- PC technology than standard ACN

APPLICATIONS

- Wearables
- Handheld devices
- Wireless Keyboards
- SSD drives
- RFID

BestCap®



RANGE

Series	BZ (traditional) BW (new generation)
Dimensions	12x15 to 48x30 mm
Capacitance	4.7 mF – 1 F
Voltage	2 – 20 (32*) V
Leakage current	0.015 uA to 5 uA
ESR	25 mΩ - 1 Ω
TEMP. range	-20°C (-40°C) to +70°C (+75°C)

FEATURE

- Highest rated voltage per device in industry
- Lowest leakage current
- Mechanically robust

APPLICATIONS

- IoT devices
- High vibration environments
- GSM/GPRS/WIFI Modules
- Energy harvesting
- Portable devices
- Security

Cylindricals

Single Cells



RANGE

Series	SCC
Dimensions	6.3x12 to 60x155 mm
Capacitance	1 F – 3000 F
Voltage	2.3 – 3 (3.3*) V
Leakage current	6 – 5200 uA
ESR	0.29 – 500 mΩ
TEMP. range	-40°C to +85°C

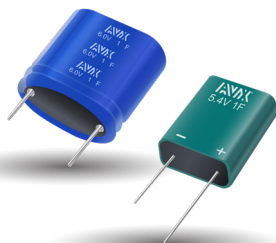
FEATURE

- Low cost
- Current ratings up to 2600A
- Low ESR
- High energy

APPLICATIONS

- Smart metering
- IoT
- Security
- Electronic locks

Modules



RANGE

Series	SCM
Dimensions	6.3x14 to 580x423 mm
Capacitance	0.33F – 500 (5000*)F
Voltage	5 – 5600 V
Leakage current	2 – 70 uA
ESR	low levels ~ 1 mΩ
TEMP. range	-40°C to +85°C

FEATURE

- Customized modules
- Double (6 V) and triple (9 V) modules ready
- Large modules 500F/16V ; 166F/48V ready and expanding
- Health monitoring options
- High reliability series (moisture resistant)

APPLICATIONS

- Smart metering
- Energy Harvesting (Forklifts, Elevators, street lighting)
- Windmills
- Video recording units
- Li-ion battery replacement
- Data storage centers
- High Power lasers
- Power tools

**Under development*

AVX SUPERCAPACITORS APPLICATIONS

Energy Harvesting



Pulse Power



Power Hold-up



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