

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

## PrizmaCap™



### RANGE

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

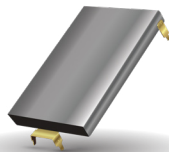
### FEATURE

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

### APPLICATIONS

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

## BestCap®



### RANGE

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

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

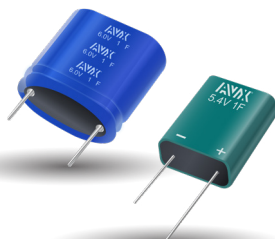
### FEATURE

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

### APPLICATIONS

- Smart metering
- IoT
- Security
- Electronic locks

### Modules



### RANGE

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

# AVX SUPERCAPACITORS APPLICATIONS

## Energy Harvesting



## Pulse Power



## Power Hold-up



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