

Supercapacitors Deliver Power for Battery Support, Hold-Up & Pulse Current Applications

Introducing the PowerStor[®] PM Series of High Capacitance, Ultra-Low Resistance 5V Supercapacitor Packs

- **High Capacitance**

High capacitance (1.5F to 3.0F) enables a long hold-up time for last-time transmit and high power RF transmission.

- **Ultra-Low Equivalent Series Resistance (ESR)**

ESR levels as low as 50mΩ ensure minimal voltage drop during peak current demand increasing the amount of power that can be delivered to the load.

- **Wide Temperature Range**

The PowerStor[®] PM Series operates from as low as -40°C up to +85°C making it ideally suited to withstand the harsh environments found in industrial RF communication and pulse current applications.

- **Low Leakage Current**

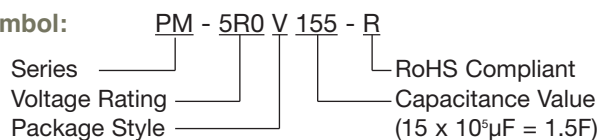
Optimized for minimum leakage current the PM Series presents only a minimal additional load and, as such, is ideal for battery powered pulse current applications.



PowerStor® PM Series Supercapacitor Specifications



Catalog Symbol:



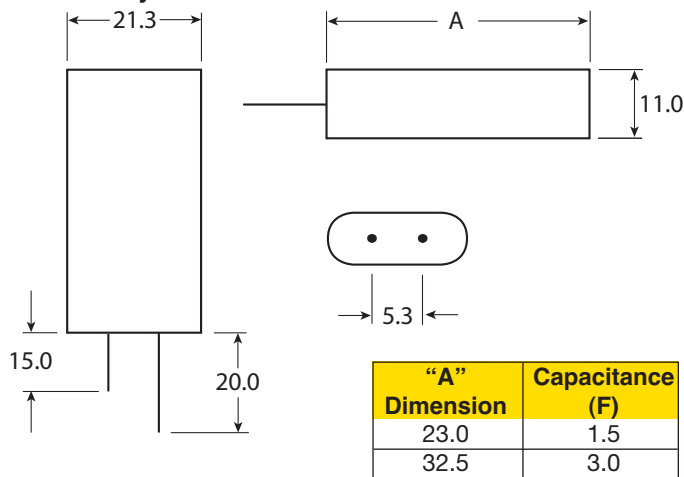
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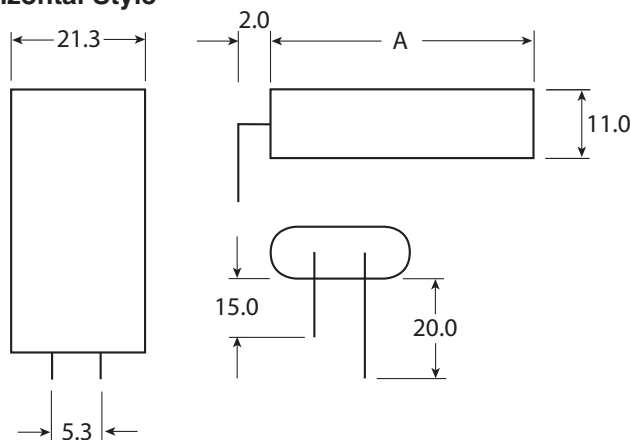
Vertical Style

Package Styles and Dimensions - mm:

Vertical Style



Horizontal Style



Cooper Bussmann PowerStor® supercapacitors are unique, ultra-high capacitance devices utilizing electrochemical double layer capacitor (EDLC) construction combined with new, high performance materials.

The PowerStor PM Series combines high capacitance with ultra-low ESR and low leakage current to make it ideal for battery and mains powered RF transmission applications.

Typical Applications:

- Automated meter reading
- Asset tracking
- DSL modem
- Valve and solenoid actuation

Specifications	Values
Working Voltage	5.0V
Surge Voltage	5.5V
Nominal Capacitance Range	1.5 to 3.0F
Equivalent Series Resistance @ 1kHz	70 to 50mΩ
Capacitance Tolerance	-20% to +80% @ 20°C
Operating Temperature Range	-40°C to +60°C
Extended Operating Temperature Range	-40°C to +85°C (Max. Working Voltage 3.9V)

Order samples online - www.cooperbussmann.com

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