

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

## Introducing the PowerStor<sup>®</sup> PM Series of High Capacitance, Ultra-Low Resistance 5V Supercapacitor Packs

### High Capacitance

High capacitance (0.47F 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 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

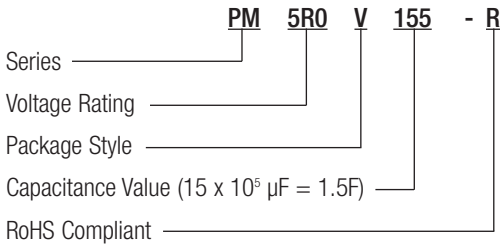
Optimized for minimum leakage current the PM Series presents only a minimal additional load and, as such, is ideal for battery powered pulse current applications.



# PM Series Specifications



## Catalog Symbol



Cooper Bussmann PowerStor<sup>®</sup> 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.

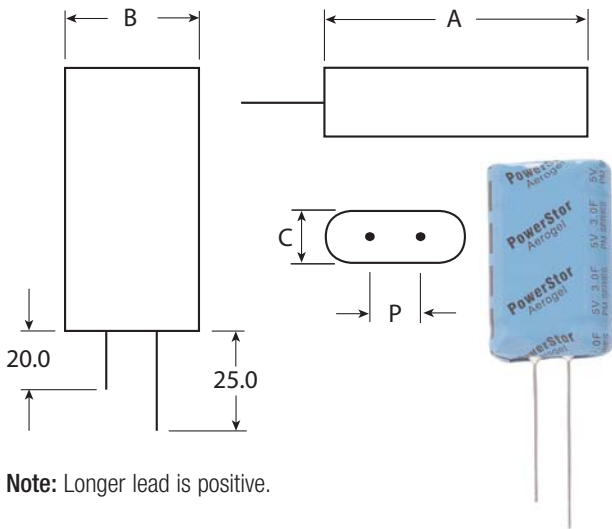
## PM Series Package Dimensions

Dimensions (mm)				
Capacitance (F)	A	B	C	P
0.47	14.5	17.3	9.0	11.8
1.0	22.0	17.3	9.0	11.8
1.5	23.0	21.3	11.0	5.3
3.0	32.5	21.3	11.0	5.3

## Typical Applications

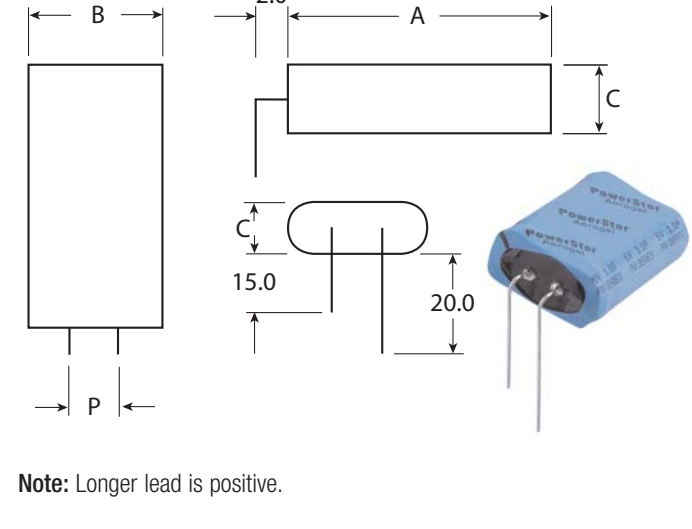
- Automated meter reading
- Asset tracking
- DSL modem
- Valve and solenoid actuation

### Vertical



Note: Longer lead is positive.

### Horizontal



Note: Longer lead is positive.

Specifications	
Working Voltage	5.0V
Surge Voltage	5.5V
Nominal Capacitance Range	0.47F to 3.0F
Equivalent Series Resistance @ 1kHz	300 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](http://www.cooperbussmann.com)