

F Series Supercapacitors

Description

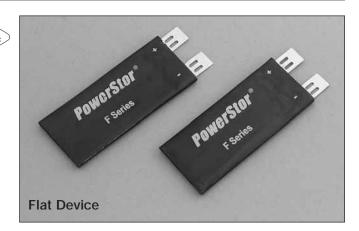
Cooper Bussmann® PowerStor® supercapacitors are unique, ultra-high capacitance devices utilizing electrochemical double layer capacitor (EDLC) construction combined with new, high performance materials. This combination of advanced technologies allows Cooper Bussmann to offer a wide variety of capacitor solutions tailored to specific applications that range from a few micro-amps for several days to several amps for milliseconds.

Features & Benefits

- Ultra-low ESR
- · Long cycle life
- Low leakage current
- Thin design
- · High capacitance

Applications - Low ESR

- · High rate pulse applications
- · GSM / GPRS applications
- PDA / data terminals
- · Hybrid battery-capacitor packs



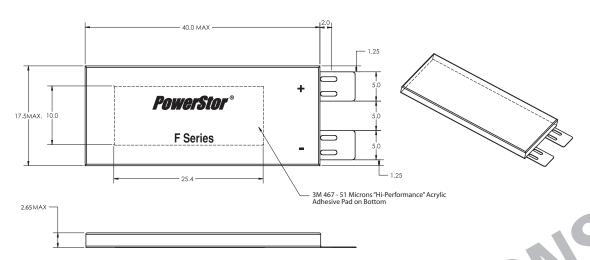
	Specifications			
Voltage	Working (nominal)	3.6V		
	Working (maximum)	4.2V		
	Surge	5.0V		
Temperature Range	Operating @ 3.6V	-20°C to 60°C		
	Storage	-30°C to 75°C		
Capacitance	Nominal	0.33F		
	Tolerance	-20% to +80% (25°C)		
Pulse Current (maximum)		2A		

Custom Product							
Nominal Capacitance (F)	Voltage (V)	Part Number	ESR (Ω nominal @ 25°C) Measured @ 1kHz	Nominal Dimensions	Typical Mass (grams/1 piece)		
0.33	3.6	FC-3R6334-R	0.250	2.5 x 17 x 40 mm	1.9		

Performance					
Parameter	Capacitance Change (% of initial specified value)	ESR Change (% of initial specified value)			
Life (1000 hrs @ 60°C @ 3.6V)	≤ 30 %	250%			
Storage - Low and High Temperature (1000 hrs @ -30°C and 75°C)	≤ 30 %	250%			

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Dimensions (mm)



Assembly Instructions

This device should not be put through a solder reflow process. Do not expose the body of the supercapacitor to either the soldering iron or melted solder. Minimize the time that the soldering iron is in direct contact with the leads of the supercapacitor. Use appropriate heat sinking to minimize heat transfer to the supercapacitor.

Part Numbering System								
F	С	-	3	R	6	3	3	4
Series	Model	Voltage (V)			Capacitance (µF)			
Code			R	is decima	1			-
F =						Valu	ле	Multiplier
Flat Pack	0		3R6 = 3.6V			334 = 33 x 10⁴µF		
Series						or 0.33F		

PACKAGING INFORMATION

Packaging: 200 pieces per tray 5 trays (1000 pieces) per box

PART MARKING

Manufacturer Series Code (or Part Number) Polarity Marking

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