

Space Saving Surface Mount Supercapacitors for Hold-Up & Memory Back-Up Applications

Introducing the PowerStor® KS Series of Low-Profile 2.8V and 3.3V SMT Coin Cell Supercapacitors

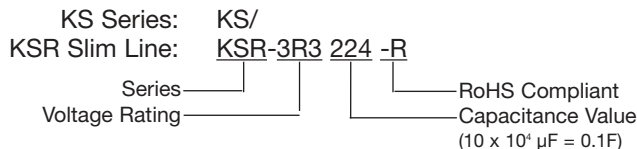
- **Maintains Power For Memory Retention**
High 0.20F to 0.33F capacitance maintains RTC and volatile memory functions during power failures and battery swap outs.
- **Low Leakage Current**
Ultra-low leakage current levels makes the KS Series ideal for battery powered equipment, minimizing additional loading which maximizes hold-up time.
- **Space Saving Sizes**
Ideal for space-constrained applications, like handheld equipment.
 - The PowerStor® KS Series comes in an industry-standard 6.8mm diameter package that is only 2.8mm high
 - The KSR slim line version is only 1.8mm high.
- **Environmentally Friendly**
The full line of KS Series supercapacitors are RoHS compliant, lead free and present no disposal issues at end of life.



PowerStor® KS Series Supercapacitor Specifications



Catalog Symbol:



Package Styles and Dimensions - mm

Series	Diameter	Height
KS	6.8	2.8
KSR (low-profile)	6.8	1.8

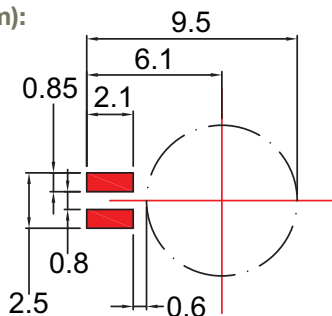


Top View



Side View

PCB Layout (mm):



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 KS Series provides 2.8V and 3.3V coin cell supercapacitors that combine small size and ultra-low current leakage. These features make the KS Series ideal for use in handheld and portable battery-powered devices where space is at a premium.

Typical Applications:

- Digital still cameras
- Portable data terminals
- GPS navigation
- MP3 players
- PDAs
- Solar watches and calculators

Packaging:

- KS Series - Bulk pack (1000 pieces per pack)
- KSR Series - Bulk pack (1000 pieces per pack)

Specifications	KS		KSR
Working Voltage	2.8V	3.3V	3.3V
Nominal Capacitance Range	0.33F	0.22F	0.2F
Maximum Equivalent Series Resistance @ 1kHz	100Ω	200Ω	200Ω
Capacitance Tolerance	-20% to +80% (20°C)	-20% to +80% (20°C)	-20% to +80% (20°C)
Operating Temperature Range	-25°C to +70°C	-10°C to +60°C	-10°C to +60°C

Quick Cross Reference:

Cooper Bussmann	Description	Panasonic	Elna
KS-2R8334-R	0.33F, 2.8V SMT Coin Cell	-	DC-2R5ED224U-E (0.22F, 2.5V)
KS-3R3224-R	0.22F, 3.3V SMT Coin Cell	-	DCK-3R3ED224U-E
KSR-3R3204-R	0.2F, 3.3V SMT Low-Profile	EECEN0F204 Type RK	-

Order samples online - www.cooperbussmann.com