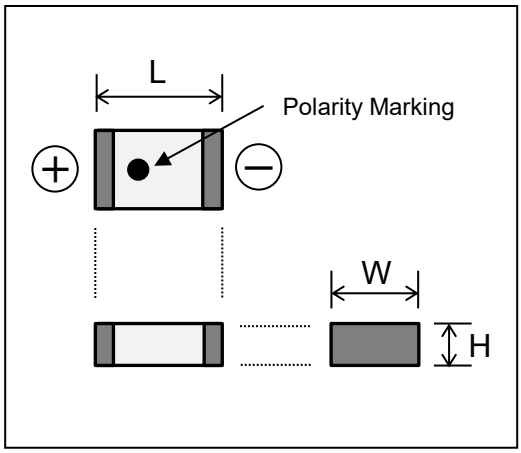
FDK

SoLiCell®

Small All-Solid-State SMD Battery

Data sheet SCC4532K



General Specifications

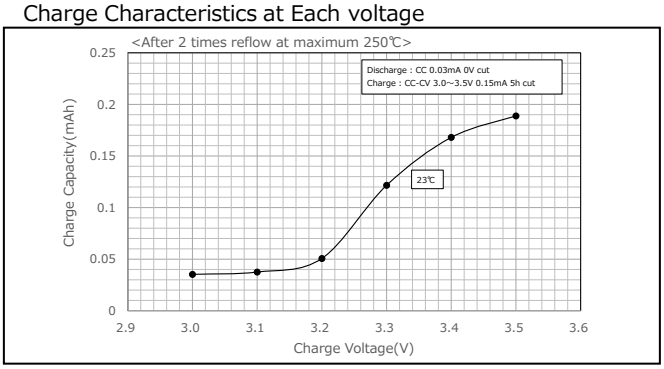
Nominal Voltage (V)		3
Nominal Capacity (mAh)*1		0.15
Standard Charge Current (mA)*2		0.15
Standard Discharge Current (mA)		0.03
Charging Method (V)*3	Constant Voltage Charge	3.37～3.43
Operating Temperature Range (℃)*4		-20 ～ +105
Dimensions (mm)	Length (L)	4.5
	Width (W)	3.2
	Height (H)	1.4
Approx. Weight (g)		0.05
Max Reflow Temperature(°C)		250

*1 Representative capacity of the fifth cycle when the cell is repeatedly discharged at the standard discharge current (End voltage: 1.5 V) after being charged at the standard charging current for 5 hours at a charging voltage of 3.40 V under the temperature condition of 23°C.
*2 CC-CV is standard condition and CR-CV charge is acceptable.
*3 An over-charge condition that exceeds 0.2 mAh as the state of charge (S.O.C.) from complete discharge, even at the specified charging voltage, will accelerate degradation and cause the cell to rupture.
*4 Consult with FDK when charging cell at temperatures exceeding +15℃ to +25℃.
Consult with FDK when using cell at absolute humidity exceeding 20g/m^3.
SCC4532K is capable of reflow soldering. Consult with FDK about the reflow condition.

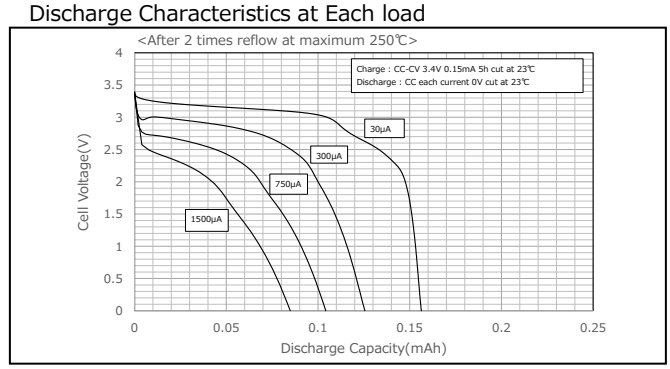
Note) Battery Handling Precautions
Not yet listed on the FDK website.
Consult with FDK when using batteries.

Typical Characteristics

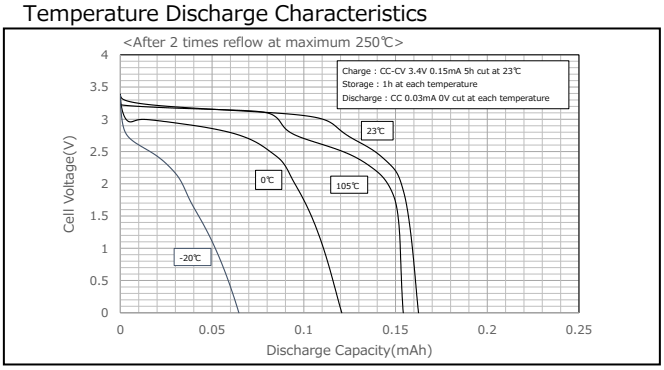
Charge Characteristics at Each voltage



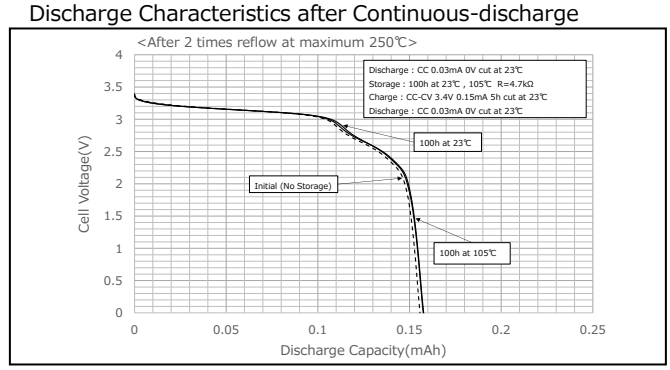
Discharge Characteristics at Each load



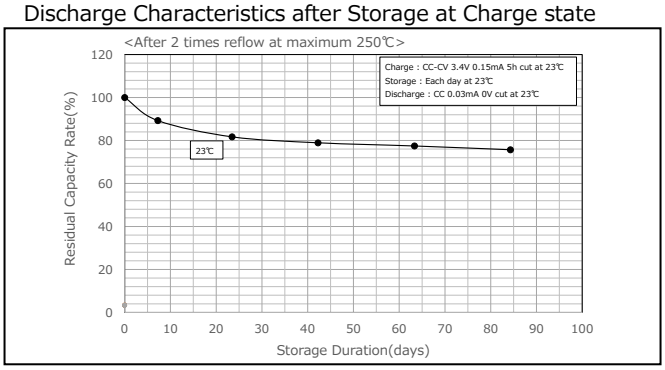
Temperature Discharge Characteristics



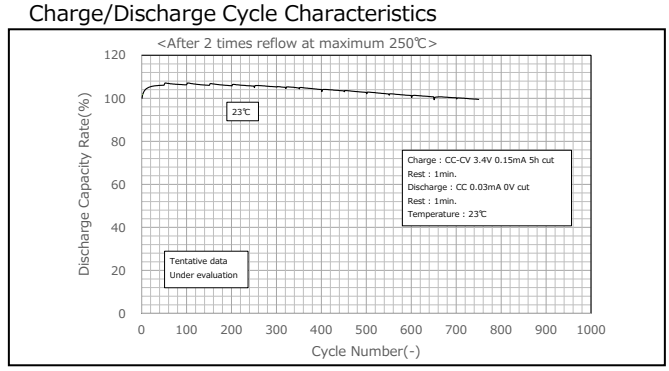
Discharge Characteristics after Continuous-discharge



Discharge Characteristics after Storage at Charge state



Charge/Discharge Cycle Characteristics



Single cell performance and expected life are greatly affected by usage conditions and test results vary depending on individual cells.
The data in this document are for descriptive purposes only and are not intended to make or imply any guarantee or warranty.

Issued date : 03.2026