

TS518FE/TS621FE



FEATURES

- Low-voltage rechargeable
- High capacity
- Long cycle life: at least 1000 cycles (20% D.O.D.)
- RoHS Compliant

APPLICATIONS

Power backup for the clock function of small portable devices such as cellular and PHS phones

TS lithium rechargeable batteries are high capacity 1.5V type non-reflowable rechargeable batteries that provide sufficient discharge capacity with a charge voltage of less than 2.0V, and are intended for support of recent low-operating-voltage mobile devices.

SPECIFICATIONS

Type	Nominal Voltage (V)	Charge Voltage (V) ^{*3}	Nominal Capacity (Voltage Range V) (mAh)	Internal Impedance ^{*1} (Ω)	Standard Discharge Current (mA)	Cycle Life ^{*2} (Time)	Diameter (mm)	Height (mm)	Weight (g)
TS518FE	1.5	1.5 to 3.0	1.5 (1.5 to 1.0) 2.5 (1.8 to 1.0)	120	0.015	1000 (20% D.O.D.) ^{*4} 50 (100% D.O.D.)	5.8	1.8	0.12
TS621FE	1.5	1.5 to 3.0	4.2 (2.3 to 1.0)	80	0.015	1000 (20% D.O.D.) ^{*4} 50 (100% D.O.D.)	6.8	2.1	0.22

*1. Value measured using an AC (Alternating Current) method in the fully charged state.

*2. Counts of charge and discharge repetition that maintains about 50% of the minimum guaranteed capacity

*3. A constant voltage charge is recommended, but due to a limit in the charge current, it is necessary to insert a resistor to regulate the charge current.

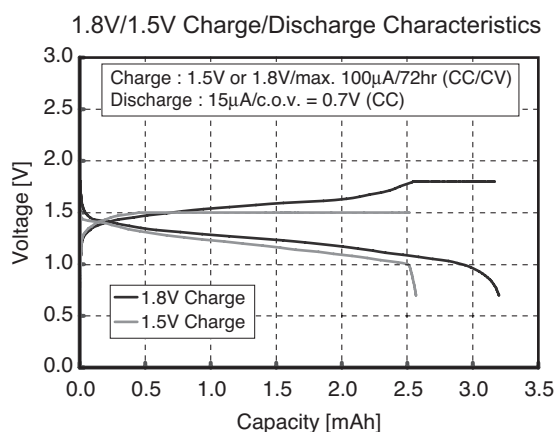
Please contact us for further details.

If a constant current charge is required, please contact us for more information.

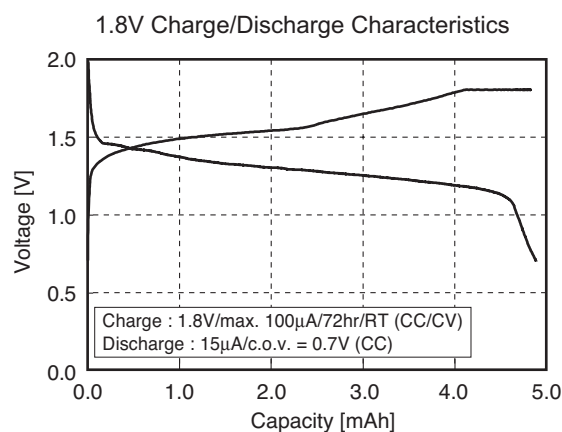
*4. D.O.D. : Depth of Discharge

CHARACTERISTICS

TS518FE



TS621FE



* c.o.v. : Cut Off Voltage