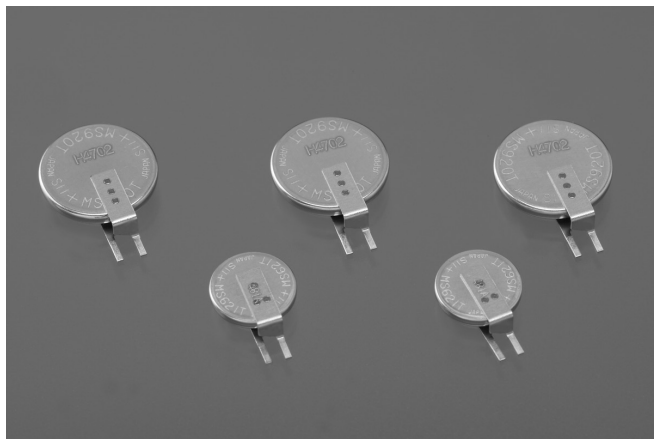


MS920T / MS621T



“MS621T” and “MS920T” have improved both higher and lower temperature characteristics while leaving features of the conventional MS rechargeable batteries. They offers wider temperature range from -40°C to 85°C.

SPECIFICATIONS

Type	Nominal Voltage (V)	Nominal Capacity (mAh) ¹	Internal Impedance (Ω) ²	Operating Temperature Range	Size (mm)		Weight (g)
					Diameter	Height	
MS920T	3	6.5	60	-40°C to +85°C	9.5	2.0	0.45
MS621T	3	3.0	80	-40°C to +85°C	6.8	2.1	0.23

* Please confirm the operating conditions, etc. with your contact at SII. We would like to provide the detail characteristics of MS920T and MS621T.

*1. Nominal capacity: Typical value of discharge capacity between 3.1V and 2.0V

*2. Internal impedance is measured using an AC (Alternating Current) method at the fully charged state.

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

Please see Page 19 for resistor value. Contact us for further details.

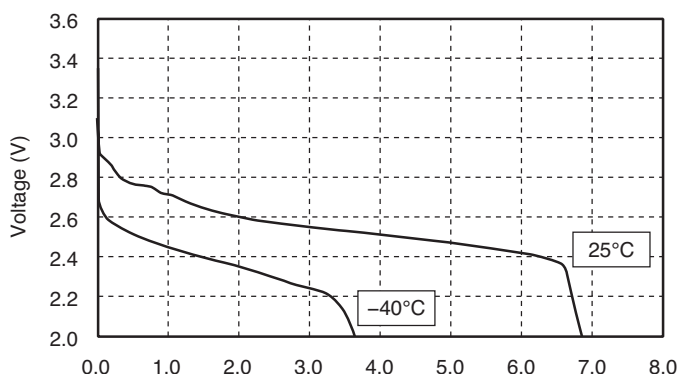
If a constant current charge is required, contact us for more information.

MS Lithium Rechargeable Batteries are not reflowable. Please mount them on PCB by hand soldering.

CHARACTERISTICS

Discharge Characteristics (-40°C capacity)

MS920T Discharge Characteristics

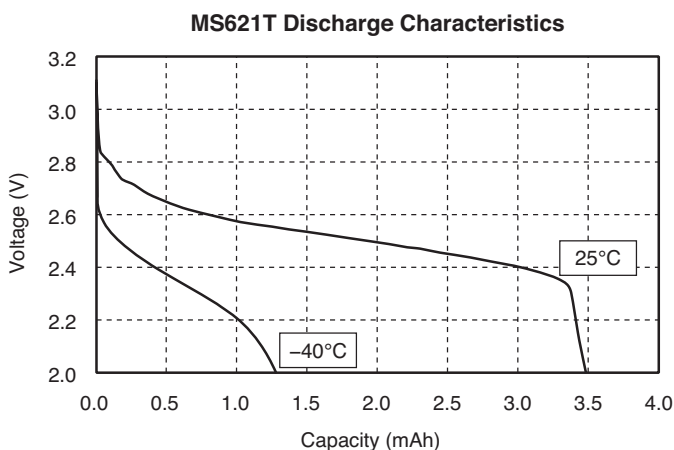


MS920T maintains about 3.5mAh at -40°C.

* Charge Discharge condition
 Charge: 3.1V, 72 hours, max. 200 μA, RT
 Discharge: 25 μA, c.o.v.=2.0V, RT

CHARACTERISTICS

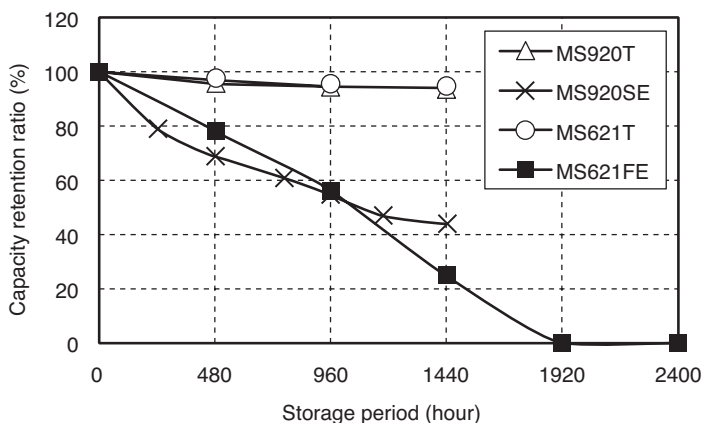
• Discharge characteristics (-40°C capacity)



MS621T maintains about 1.2mAh at -40°C.

* Charge Discharge condition
 Charge: 3.1V, 96 hours, max. 100µA, RT
 Discharge: 15µA, c.o.v.=2.0V, RT

• High temperature characteristics (85°C storage)

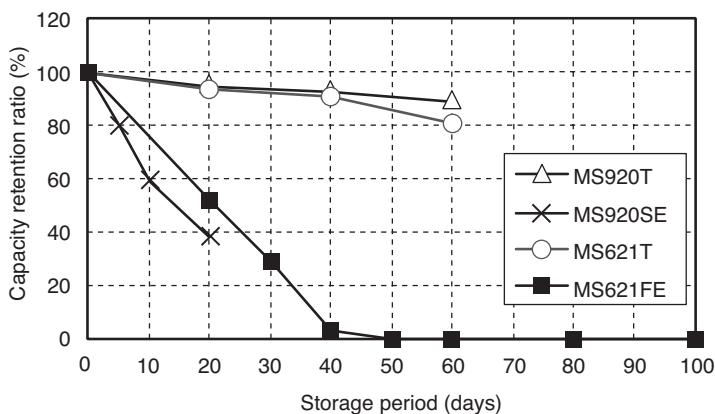


MS-T series's capacity retention ratio after High temperature storage were greatly improved.

* 85°C use of Conventional MS series is not guaranteed.

* Charge Discharge condition
 MS920T
 Charge: 3.1V, 72 hours, max. 200 µA, RT
 Discharge: 25 µA, c.o.v.=2.0V, RT
 MS621T
 Charge: 3.1V, 96 hours, max. 100 µA, RT
 Discharge: 15 µA, c.o.v.=2.0V, RT

• High temperature and high humidity characteristics (80°C90% storage)



MS-T series's capacity retention ratio after High temperature and High humidity storage were greatly improved.

* 80°C use of Conventional MS series is not guaranteed.

* Charge Discharge condition
 MS920T
 Charge: 3.1V, 72 hours, max. 200 µA, RT
 Discharge: 25 µA, c.o.v.=2.0V, RT
 MS621T
 Charge: 3.1V, 96 hours, max. 100 µA, RT
 Discharge: 15 µA, c.o.v.=2.0V, RT

*c.o.v....cut off voltage