

1. General

1.1 Scope

This specification applies to type

: US395189BH7 Lithium Ion Polymer Rechargeable Battery

1.2 Name and Code

1.2.1 Cell Name : US395189BH7

1.2.2 Model Number : US395189BH7

1.2.3 Code : 49943159

: 49943272 (SOC30% less than)

1.3 Cell Shape and Weight

1.3.1 Cell Shape : Polymer

1.3.2 Size : Thickness 3.83 mm max

Width 50.78 mm max

Length(without Tab) 88.45mm mm max

1.3.3 Weight : 40.9 g (typical)

1.4 Reference test current

1.0 ItA: 2780 mA

1.5 Safety Regulation

Murata acquired UL1642

2. Performance

at room temperature, 3.0V cut off

Nominal Capacity (0.2ItA discharge)	2700mAh	average capacity 3.8 V (average discharge voltage)
	10.35Wh	
Rated Capacity (0.2ItA discharge)	2630mAh	minimum capacity
	9.99Wh	
Capacity at 0.5ItA	2550mAh	average capacity
	9.57Wh	
Capacity at 1.0ItA	2400mAh	average capacity
	8.80Wh	
Nominal Voltage	3.8 V	
Internal Impedance	25 mΩ	measured by AC1 kHz
Cycle Performance	80% of Initial capacity at 500 cycles	0.5 ItA discharge rate

tandard Charge Condition

Charge Method : constant current / constant voltage

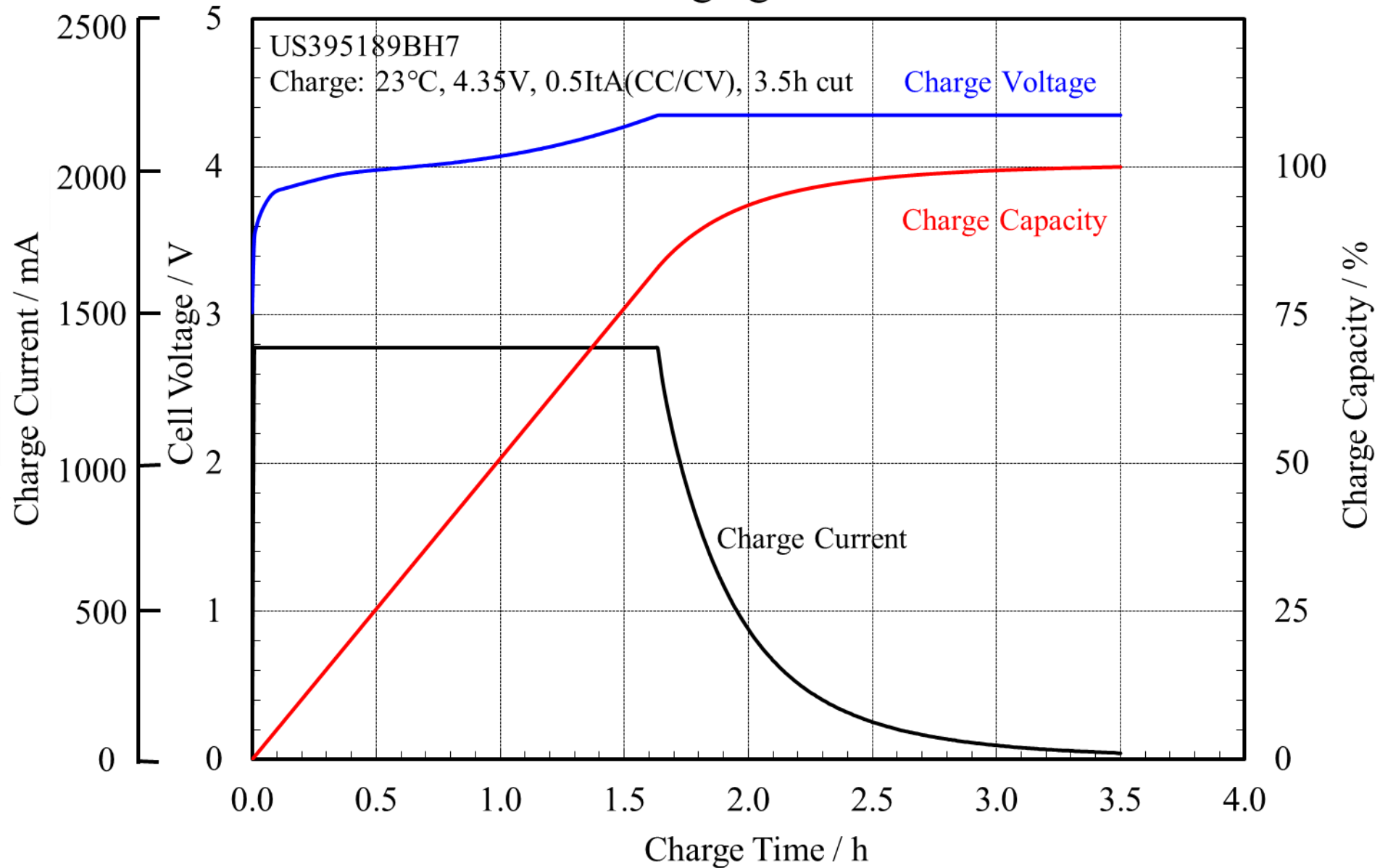
Charge Up Voltage : 4.35 ± 0.05 V

Charge Current : 1.39 A

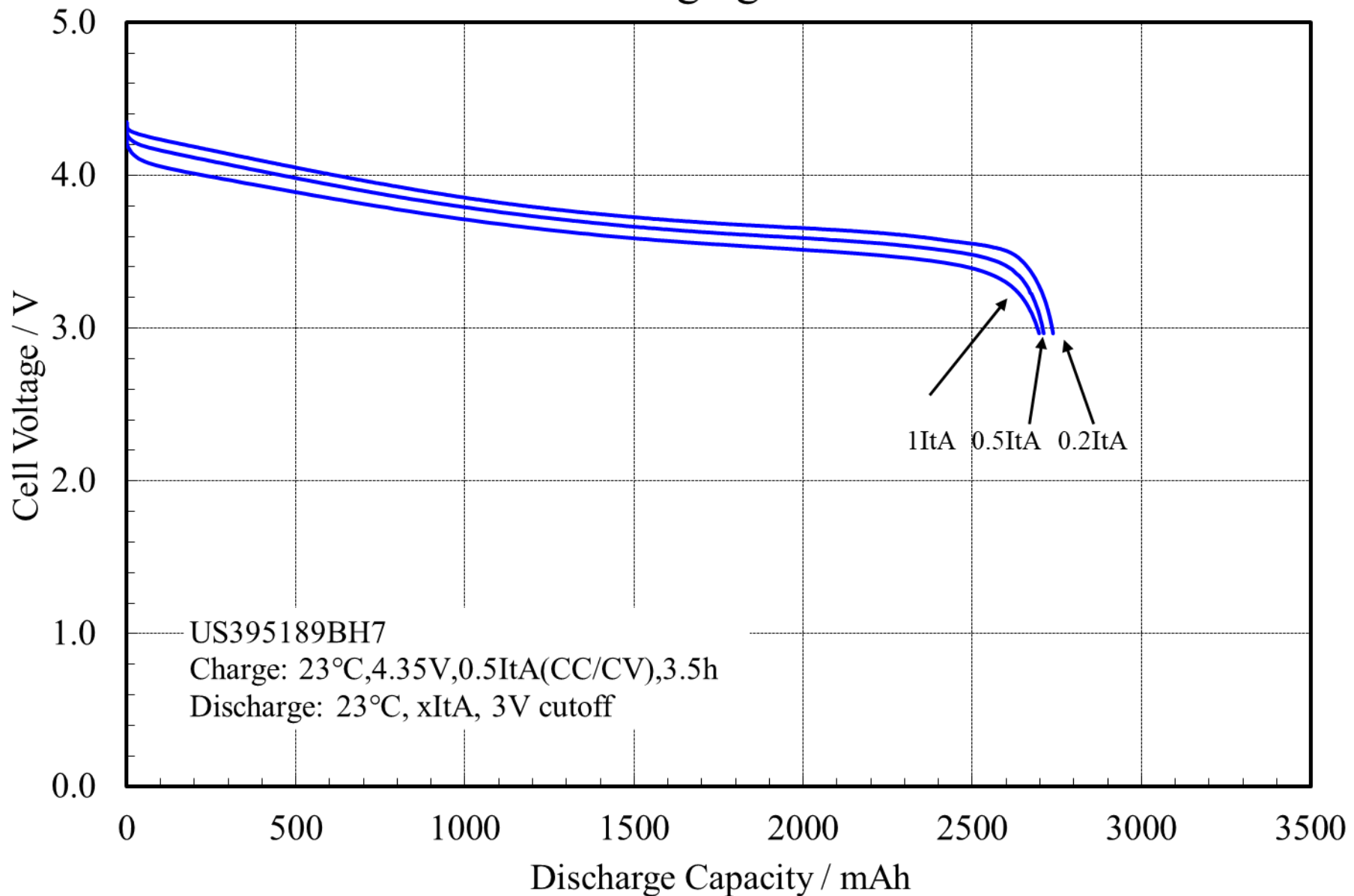
Charge Time : 3.5h

Ambiance Temperature : 23 °C

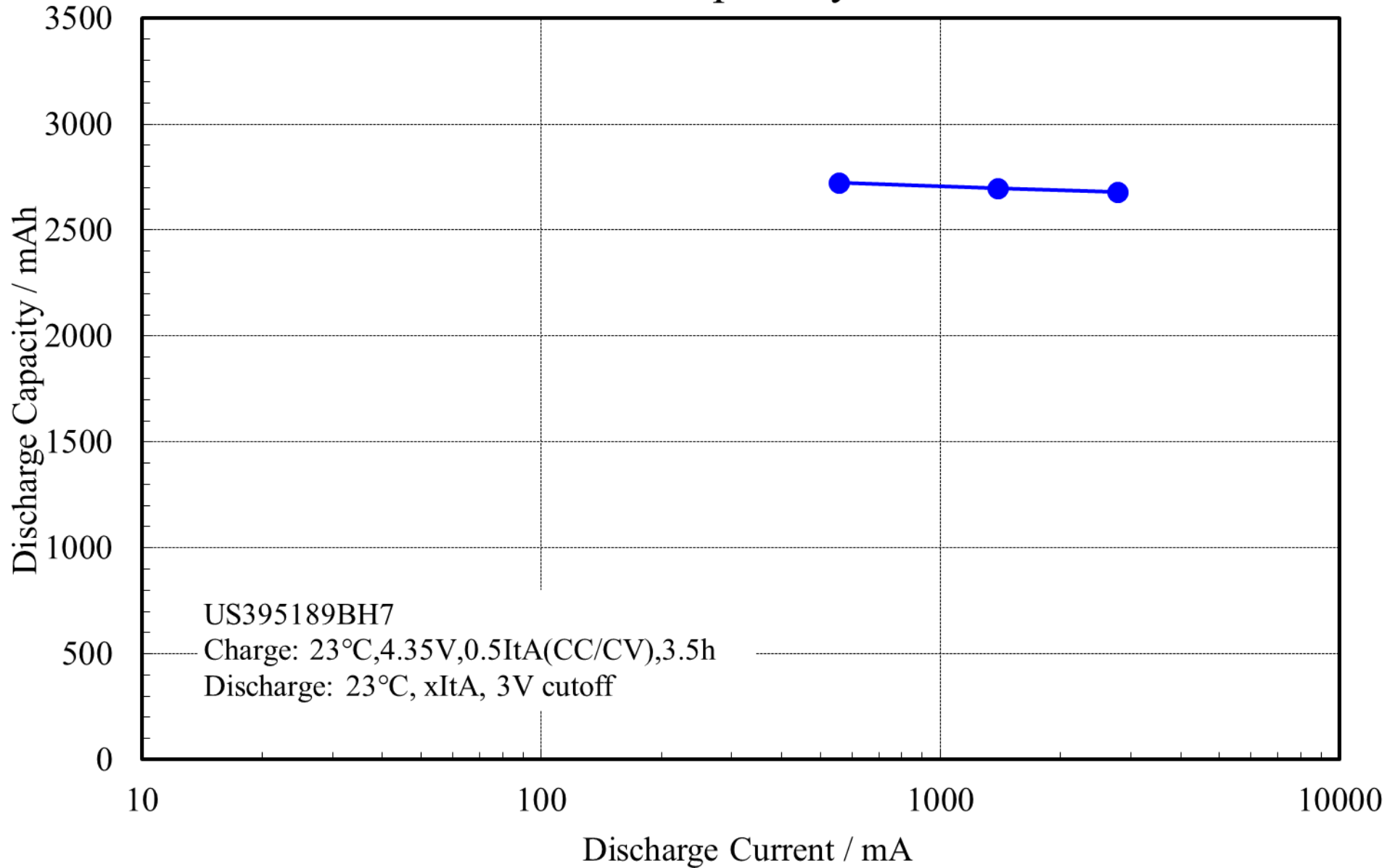
Charging Profile



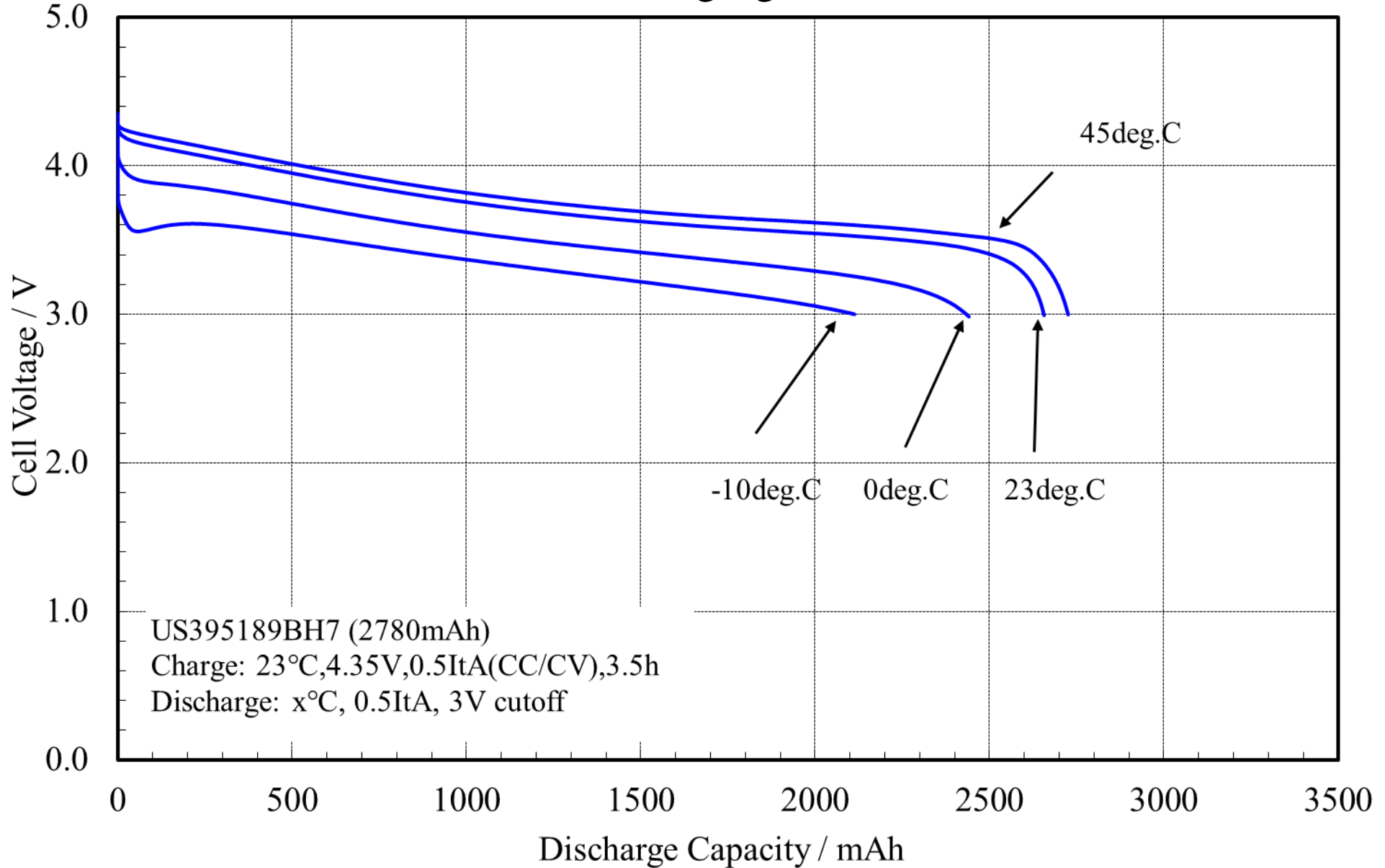
Discharging Profile



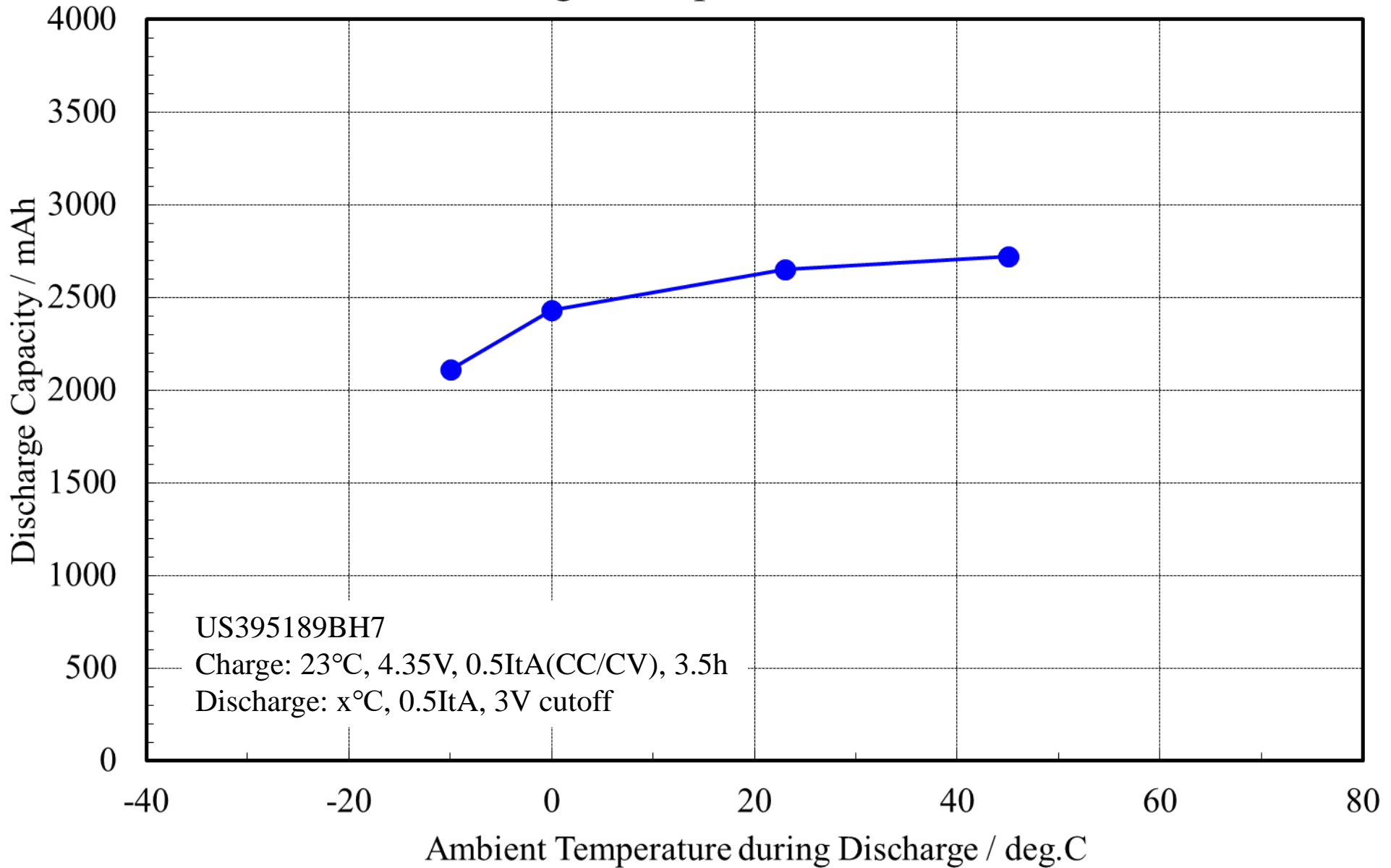
Drain Capability



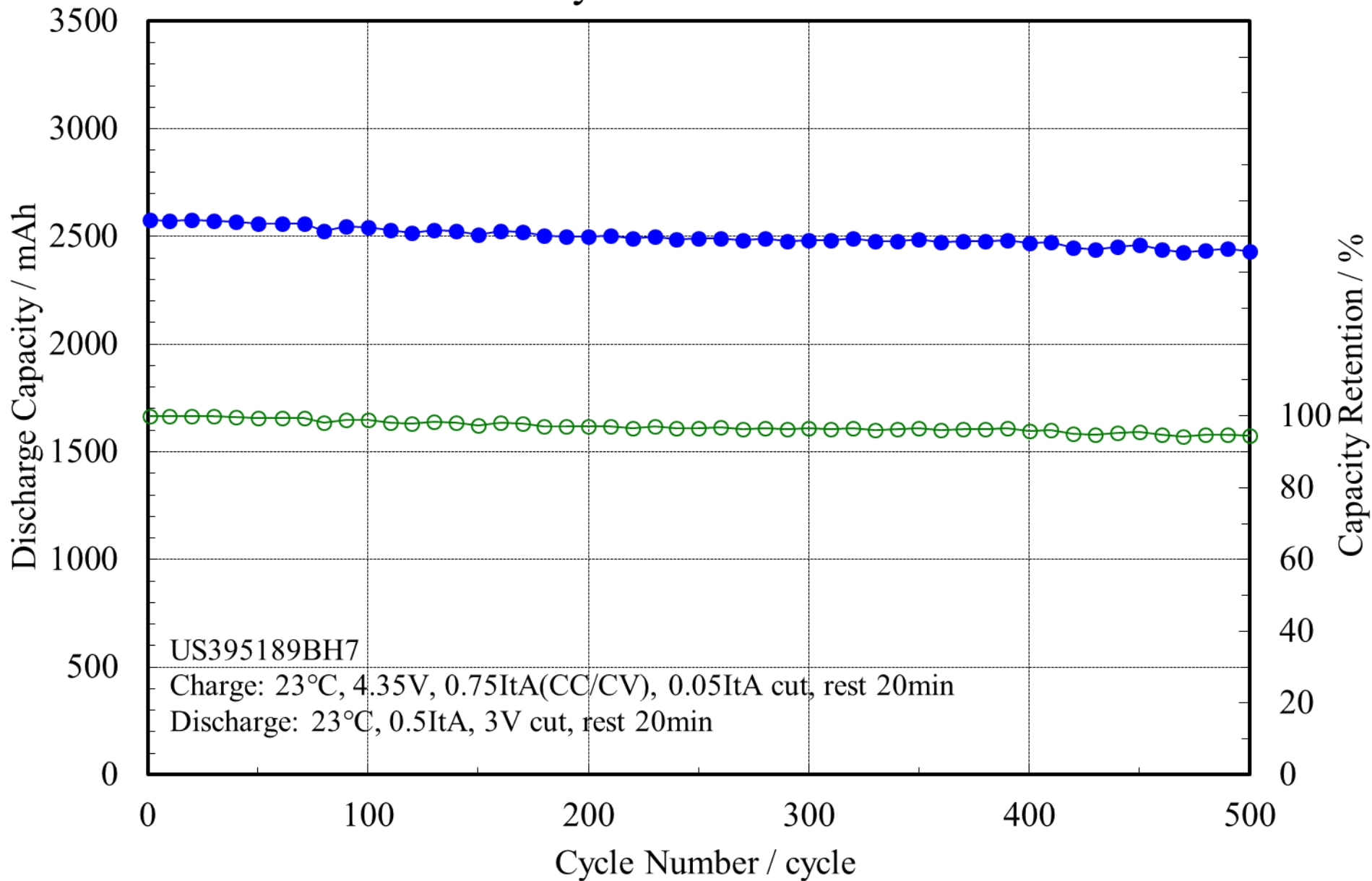
Discharging Profile



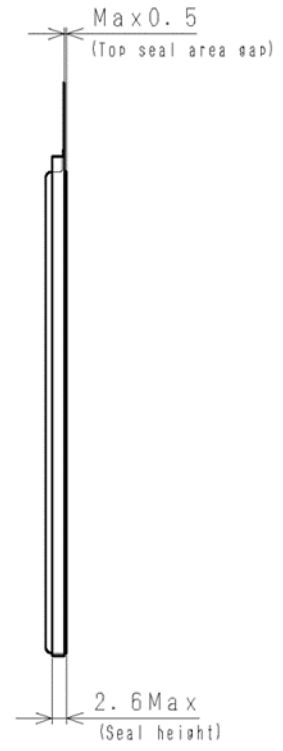
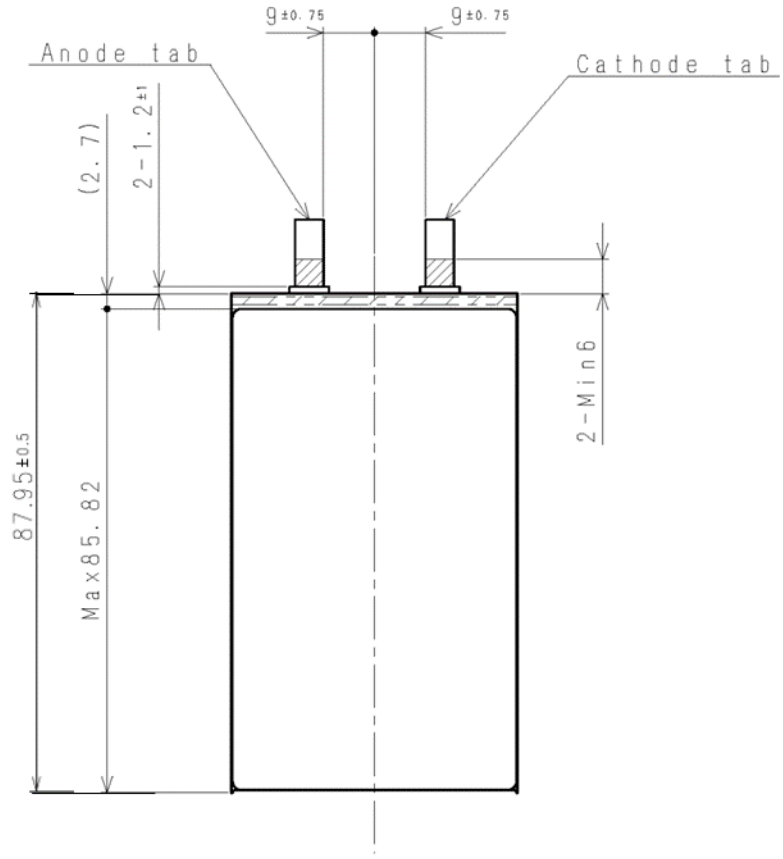
Discharge Temperature Performance



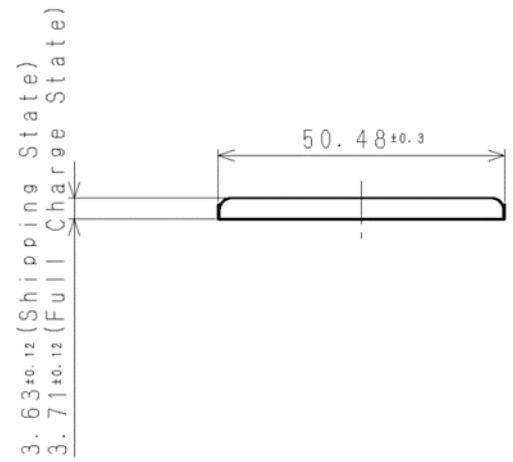
Cycle Performance

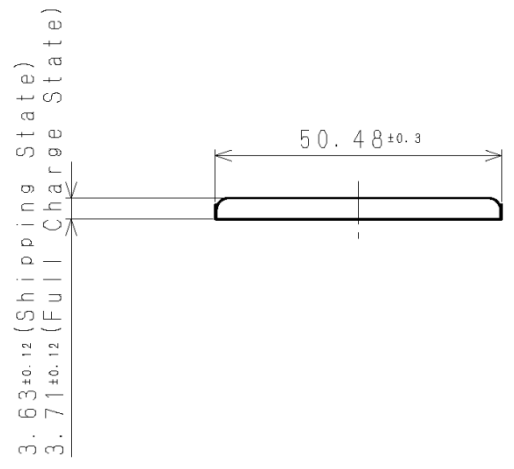
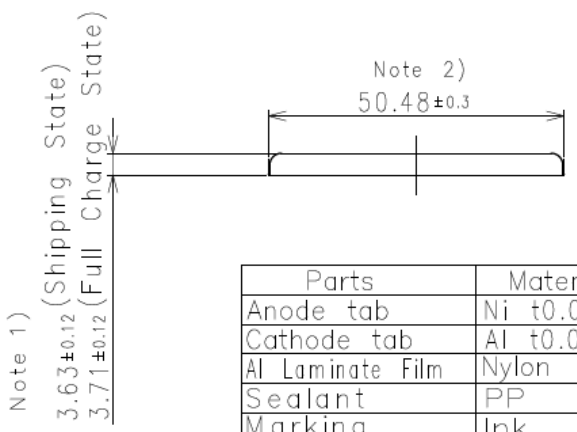
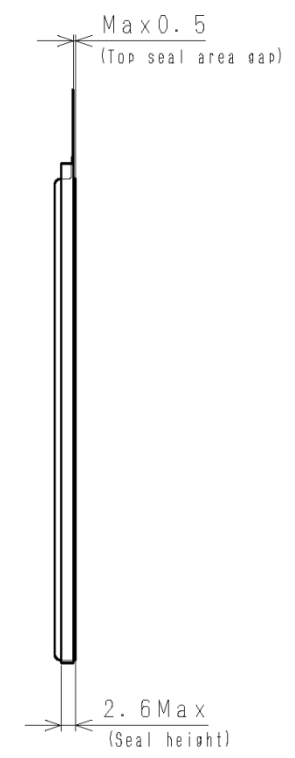
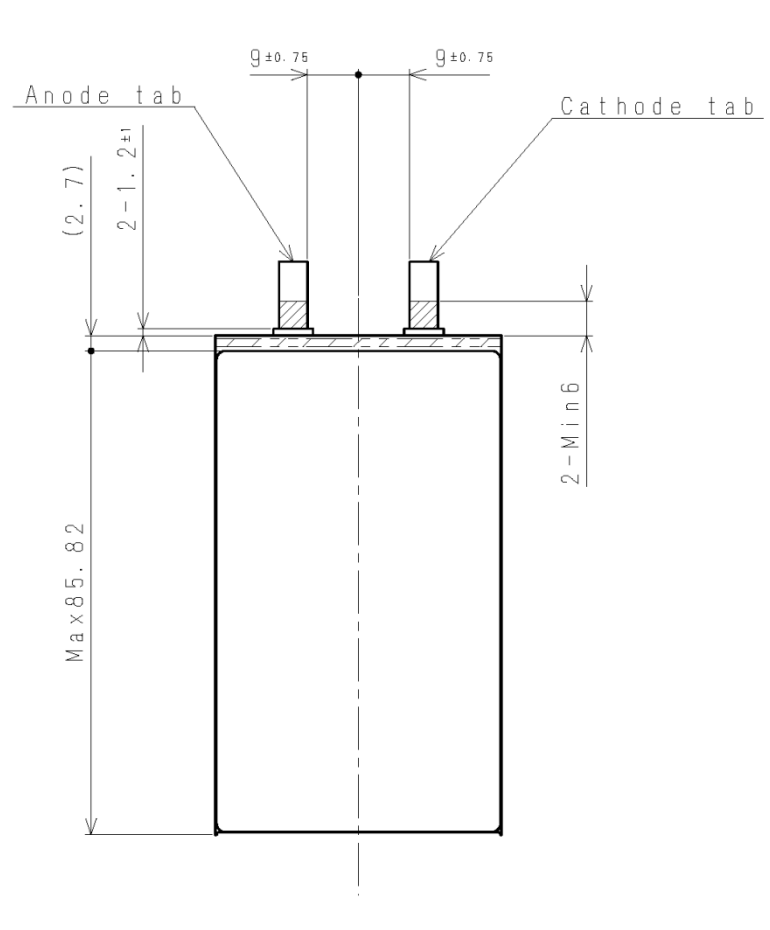
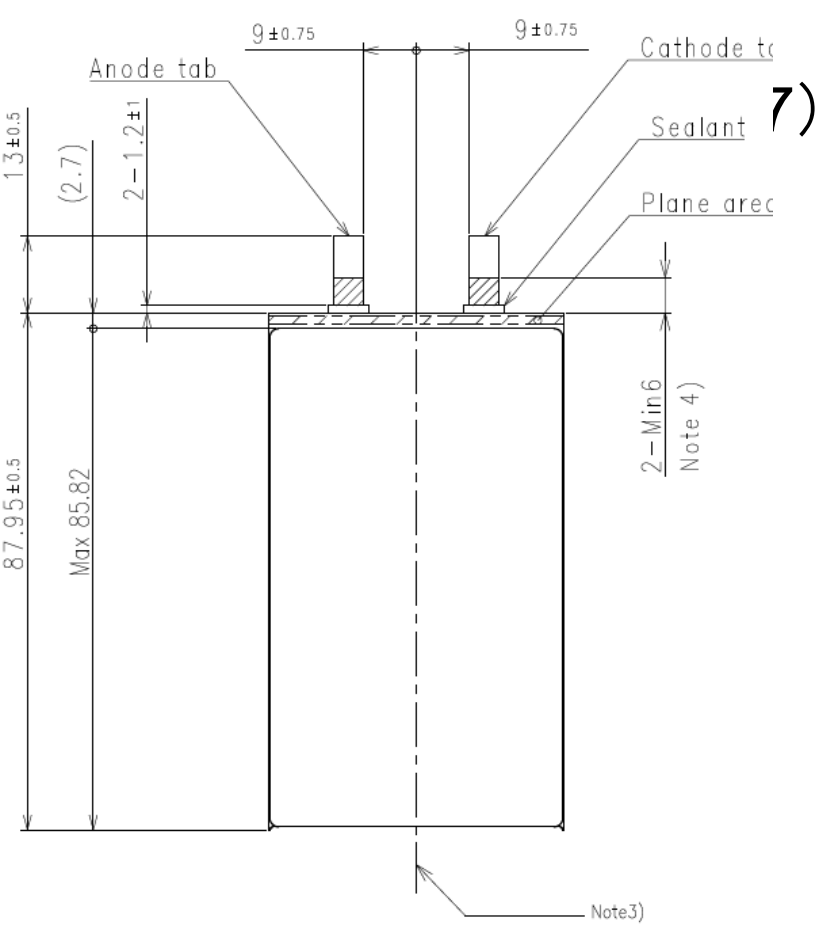


Cell Size(US395189BH7)



Same opposite face





Same opposite face

Parts	Material	Jl
Anode tab	Ni $t0.07 \pm 0.01$	JIS H4
Cathode tab	Al $t0.07 \pm 0.01$	JIS H4
Al Laminate Film	Nylon	
Sealant	PP	
Marking	Ink	