

## SPECIFICATIONS

### 1. Scope and Application

#### 1.1 Scope

These specifications apply to the lithium ion rechargeable cells supplied by Hitachi Maxell, Ltd. to XXXXXXXXXXXX.

#### 1.2 Application

The cells described in these specifications shall be used for a XXXXXXXXXXXX.

#### 1.3 Cell composition

These cells shall be limited only for the composition of a single cell battery.

### 2. Type and Name

2.1 Name : Lithium Ion Rechargeable Cell

2.2 Item : ICP382230AQS

### 3. Rating

3.1 Nominal Voltage : 3.8 V

3.2 Rated Capacity : 250 mAh

Note : When discharged at 50 mA(0.2C) to 2.75 V after complete charge at 25°C

#### 3.3 Charge Conditions

(1) Charge Voltage :  $4.35 \pm 0.05$  V

(2) Standard Charge Current : 250 mA

(3) Maximum Charge Current : 400 mA (Charge Temperature: +10 ~ +45°C)

(4) Charge Method : CC-CV (Constant Current - Constant Voltage)

#### 3.4 Discharge Conditions

(1) Maximum Continuous Discharge Current : 500 mA

(2) Discharge End Voltage : 2.75 V

#### 3.5 Temperature

(1) Charge : 0 ~ +45°C (When standard charge current is applied.)

(2) Discharge : -20 ~ +60°C

(3) Storage : -20 ~ +50°C within 30 days (Shipped conditions)

(4) Long term storage : -20 ~ +35°C within 90 days (Shipped conditions)

3.6 Relative Humidity :  $65 \pm 20\%$  RH

3.7 Weight : Approx. 6g

3.8 Dimensions : Refer to attached drawing. Drawing No. 0443678088

3.9 Appearance : Shall be free from noticeable flaws, breaks, damage, discoloration, deformation, uneven, and other defects which impair the value of the commodity.

3.10 Packing : Refer to attached drawing. Drawing No. XXXXXXXXXXXX.