

SPB463048 (Rechargeable Li-ion Polymer Battery)

Date

2006.06.05

To : _____

SPECIFICATION OF PRODUCT

Rechargeable Li-ion Polymer Battery
Model : SPB463048 (700mAh)

SAEHAN-ENERTECH. INC.

710-3, Yongtan-Dong , Chung-Ju , Chung-buk , Korea
TEL: 82-43-850-1951 FAX: 82-43-850-1999
www.saehan-enertech.com

1. Nominal Specifications

	Item	Specification
1	Battery Type	Rechargeable Li-ion Polymer Battery
2	Model	SPB463048
3	Nominal Capacity	700mAh (0.2C Discharge)
4	Nominal Voltage	3.7V
5	Energy Density	Volume 390 Wh/L
		Weight 191 Wh/kg
6	Charging Mode	CC-CV (constant voltage with limited current)
7	Charging Current	Standard : 350mA (0.5C) Rapid : 700mA (1.0C)
8	Charging Voltage	4.2V
9	Max. Charge Current	700 mA
10	Max. Discharge Current	1400 mA (2.0C)
11	Cell Dimension (mm)	Thickness : 4.6 ± 0.1 mm . (fully charged cell) Width : 30.0 ± 1.0 mm Height : 48.0 ± 1.0 mm
12	Cell Weight	13.5g or less
13	AC Impedance (at 1kHz)	40m Ω or less
14	Operating Temperature	Charge : 0 to 45 $^{\circ}$ C Discharge: -20 to 60 $^{\circ}$ C
15	Storage Temperature	-10 ~ 40 $^{\circ}$ C (Within 6 months)
16	Overcharge Test	NE, NF (1A, 5V)
17	External Short-circuit Test	NE, NF (4.2V, 100m Ω)
18	Heating Test	NE, NF (130 $^{\circ}$ C , 60min)
19	Crush	NE, NF (13kN force)

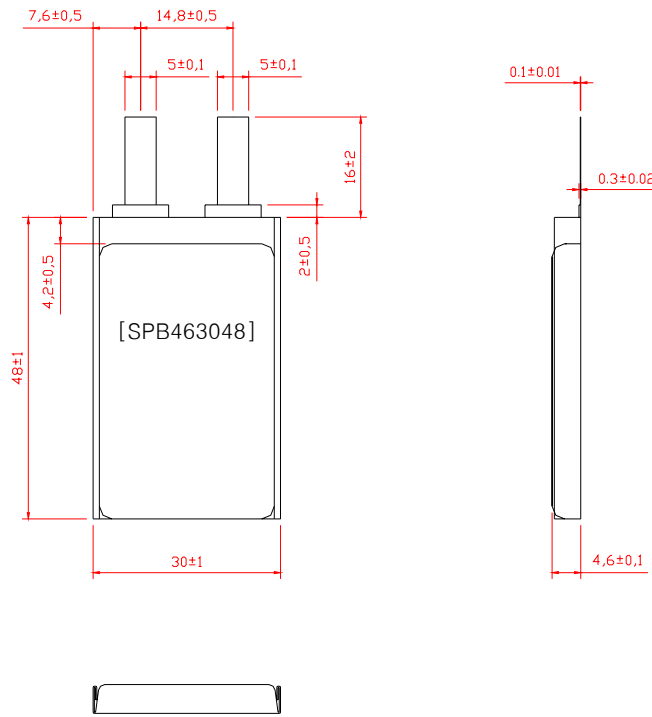
2. Out View drawing for SPB463048

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1. Spec.

Nominal Capacity	700mAh	
Nominal Voltage	3.7V	
Weight	less than 13.5g	
Energy	Volume	391Wh/l
	Weight	192Wh/kg
AC Impedance(1kHz)	less than 40mΩ	

No.	Description of Change	Remark
△		
△		
△		



SAEHAN SAEHAN ENERTECH INC.			
Dwg. Name	SPB463048 Cell	Dwg. Date	2006.06.05
Dwg. No.	1-463048-0001	Rev. Date	2006.06.05
Rev. No.	0 ① 2 3 4 5	Scale	1 : 1
Item	Drawing	Check	Approval
Sign.	T.Y.PARK	J.K.JEONG	Y. J. KIM