

SPB424142A1 (Rechargeable Li-ion Polymer Battery)

Date

2006.06.05

To : _____

SPECIFICATION OF PRODUCT

Rechargeable Li-ion Polymer Battery
Model : SPB424142A1 (690mAh)

SAEHAN-ENERTECH. INC.

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1. Nominal Specifications

	Item		Specification
1	Battery Type		Rechargeable Li-ion Polymer Battery
2	Model		SPB424142A1
3	Nominal Capacity		690mAh (0.2C Discharge)
4	Nominal Voltage		3.7V
5	Energy Density	Volume	353 Wh/L
		Weight	194 Wh/kg
6	Charging Mode		CC-CV (constant voltage with limited current)
7	Charging Current		Standard : 345mA (0.5C) Rapid : 690mA (1.0C)
8	Charging Voltage		4.2V
9	Max. Charge Current		690 mA
10	Max. Discharge Current		1380mA (2.0C)
11	Cell Dimension (mm)		Thickness : 4.1 ±0.1 mm . (fully charged cell) Width : MAX 41.0 mm Height : MAX 42.2 mm
12	Cell Weight		13.1 g or less
13	AC Impedance (at 1kHz)		70mΩ or less
14	Operating Temperature		Charge : 0 to 45℃ Discharge: -20 to 60℃
15	Storage Temperature		-10 ~ 40℃ (Within 6 months)
16	Overcharge Test		NE, NF (1A, 5V)
17	External Short-circuit Test		NE, NF (4.2V, 100mΩ)
18	Heating Test		NE, NF (130℃, 60min)
19	Crush		NE, NF (13kN force)

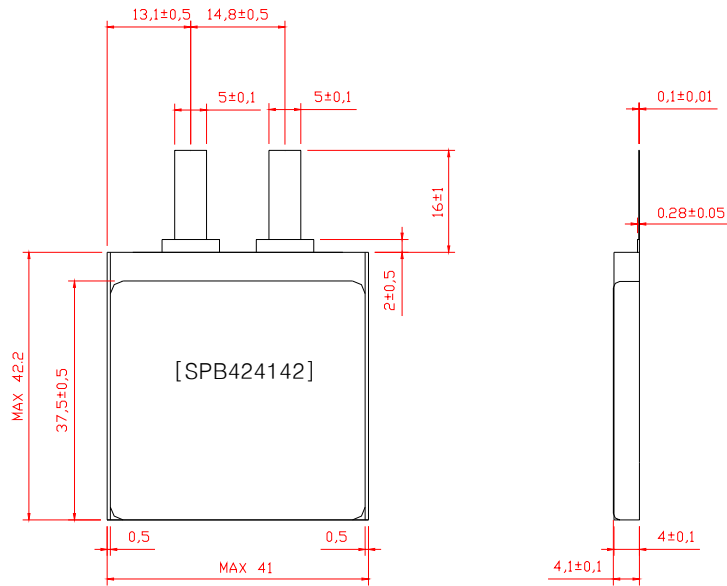
2. Out View drawing for SPB424142A1

This drawing is property of SaeHAN EnerTech Inc.. Use or copy of this drawing without proper permission from the appropriate technical-managing department is prohibited.

1. Spec.

Nominal Capacity	690mAh
Nominal Voltage	3.7V
Weight	less than 13.1g
Energy	Volume 353Wh/l
Density	Weight 194Wh/kg
AC Impedance(1kHz)	less than 70mΩ

No.	Description of Change	Remark
△		
△		
△		



SAEHAN SAEHAN ENERTECH INC.	
Dwg. Name	SPB 424142A1 Cell
Dwg. Date	2006.06.05
Rev. Date	2006.06.05
Dwg. No.	Scale 1 : 1
Rev. No.	0 ① 2 3 4 5 Unit mm
Item	Drawing Check Approval
Sign.	T.Y. PARK J.K.JEONG Y. J. KIM