

**Customer** \_\_\_\_\_

**Part name** \_\_\_\_\_

**Model No** LIC1020 \_\_\_\_\_

**Serial No** \_\_\_\_\_

**Produce No** \_\_\_\_\_

<b>Approved by</b>		<b>Drafted by</b>	Wenfei liang
<b>Checked by</b>		<b>Signed by</b>	Xiaojun nie
<b>Prepared by</b>		<b>Valid Date</b>	2019-03-28

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## 1.Scope

This product specification describes the mechanical design and performance of LIC-1020 and its use in enhanced pulse-type batteries.

## 2.Performance Data (For batteries stored at RT for one year or less)

System	Hybrid Pulse Capacitor
Version	LIC1020
Nominal voltage	3.8V
Nominal capacity	80F
	The capacitance tolerance - 20% ~ +80%
Max.continuous discharge/charge current	150mA
Pulse current capability	600mA
Discharge end voltage	2.5V
Max.charge voltage	3.8V
Nominal charge current	8mA
Temperature range	-20°C~+70°C
Cell impedance @ 1kHz,RT	max. 150mΩ
Nominal energy	max. 0.12Wh
Length	max. 21.5mm
Diameter	max. 11.5mm
Weight	3g

## 4. Safety:

Short circuit at 22°C, 55°C and 70°C

Temperature test up to 150°C

Crush

Impact

Nail penetration

Over charge & over discharge (200% at currents up to 0.2A)

UL1642 , IEC62133 , UN38.3

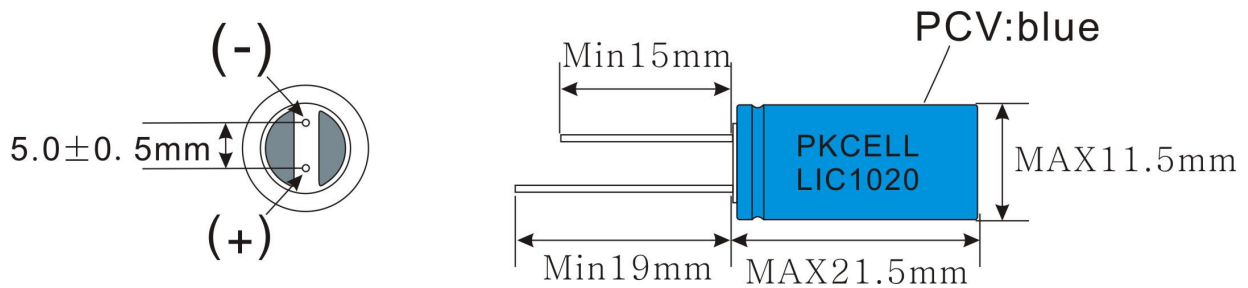
## 5. Warning:

Fire, explosion, and severe burn hazards.

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do not disassemble, heat above 70°C,  
short circuit, incinerate or expose contents to water.  
Do not charge above 3.8V

## 6. Dimension:



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