3.7V Lithium Polymer Battery Data Sheet

Model: 306993

Please Find More:

https://www.fpbattery.com/3-7v-5500mah-lithium-polymer-battery/

File Number: A/FP6993-9452

File Version: 01

CONTACT

CUSTOMER SERVICE
86.755.3682.7358
sales@fpbattery.com
Hours of Operation:
9:00am-6:00pm CST, Monday to Friday

LEARN MORE ON:
https://www.fpbattery.com/

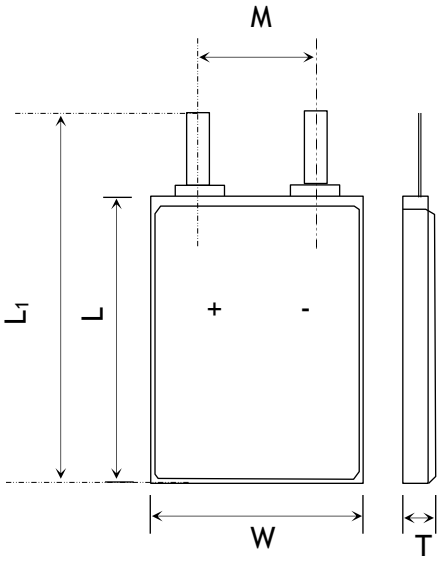
DNK POWER COMPANY LIMITED

BATTERY SPECIFICATION

Part Number	DNK 306993
Nominal Voltage	3.7 V
Nominal Capacity	1900 mAh
Internal Impedence	<60mΩ
Charge Voltage	4.2V
Recommended Charge Current	0.2 C
Allowed Max Charge Current	0.5 C
Output Voltage Range	4.2 - 2.5 V
Recommended Discharge Current	0.2 C
Max Continuous Discharge Current	1 C
Pulse Discharge Current	3 C (10 mS)
Discharge Cut-off Voltage	2.5± 0.05V
Cycle Life to 80% Health	500 (0.2C, 25°C)

1

1 YEAR WARRANTY



Item	Parameter (mm)
T	3
W	69
M	10
L	93
L_1	95
BL	95 ± 1
CL	100

ENVIRONMENTAL SPECIFICATIONS

Charging Temperature Range	0 - 45°C
Discharging Temperature Range	-20 - 60°C
Storage Period 1 Week	-20 - 45°C
Storage Period 1 Month	-10 - 45°C
Storage Period 6 Months	0 - 35°C

BATTERY PROTECTION

Over Charge	4.275 ± 50mV
Over Discharge	2.5V ± 50mV
Over Current	3A to 5A
Short Circuit	Yes

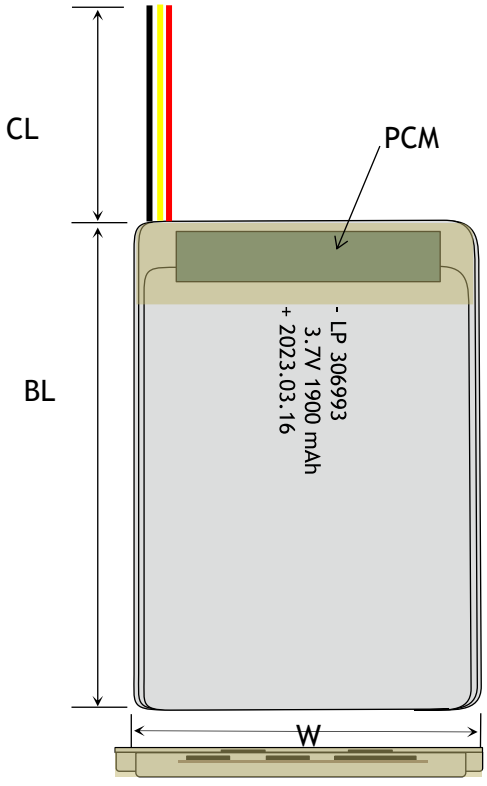
MECHANICAL SPECIFICATIONS

Dimensions	95x 69 x 3 mm(L*W*T)
Weight	Around 31 g
Battery Terminals	WC/ FL *

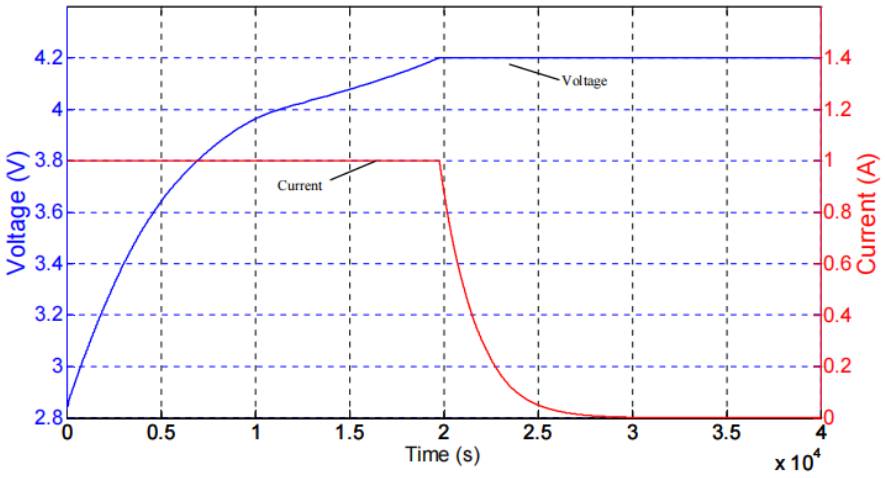
CERTIFICATION

Certification Approval	PLEASE CONSULT SALES

* WC=With Connector FL=Flying Leads UWP=Blue Wrapped PVC BWP=Black Wrapped PVC BC= Bare Cell

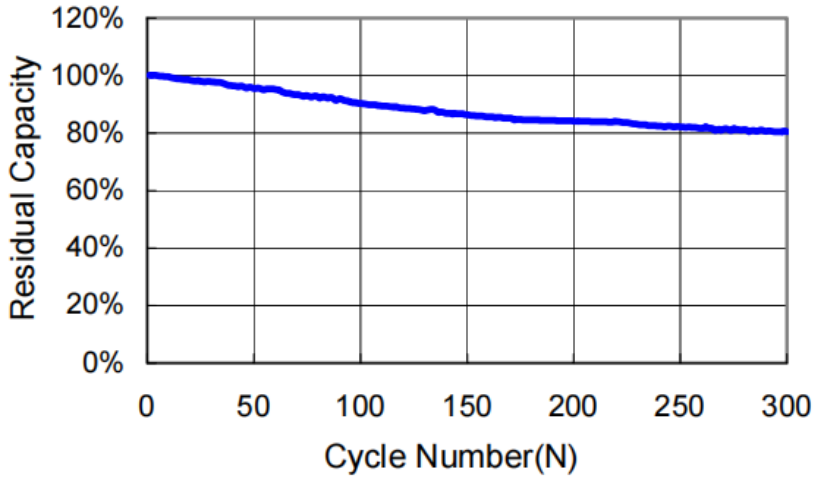


RELATIVE CURVES



Cycle Characteristics

Measurement temperature:25℃
Cycle condition:charge:CC-CV:1.3A-4.2V
Discharge:CC:1.3A(E.V:3.0V)



ANNOUNCEMENT

- Slow down the charging and discharging rate of the battery in low temperature environment.
- Do not expose LiPo batteries to direct sunlight or leave in a hot environment (inside an automobile in hot weather) for extended periods of time.
- Avoid using chargers with long charging times.
- Charge only with an approved LiPo charger, according to the parameters for the particular battery
- Ensure connectors are insulated correctly to prevent short circuit in handling or storage.
- Avoid frequent charging and discharging on the way to using the battery.
- Do not allow charging to continue above 4.20V per cell. This is VERY important as a fire could result.
- Avoid frequent charging and discharging on the way to using the battery.
- Always disconnect and remove LiPo batteries from your model when not in use. Store LiPo batteries in an airtight and flame-resistant container when not in use.
- When charging a LiPo battery always use LiPo Safety Bag (Flame retardant).
- ALWAYS constantly supervise LiPo batteries on charge and NEVER LEAVE UNATTENDED.