3.7V Lithium Polymer Battery Data Sheet

Model: 405093

Please Find More:

https://www.fpbattery.com/3-7v-1800mah-lithium-polymer-battery/

File Number: A/FP5093-17597

File Version: 01

CONTACT

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

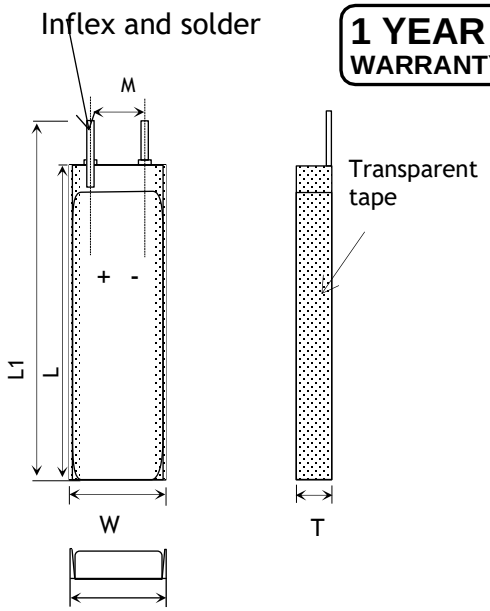
LEARN MORE ON:
https://www.fpbattery.com/

DNK POWER COMPANY LIMITED

BATTERY SPECIFICATION

Part Number	DNK 405093
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 YEAR WARRANTY



Item	Parameter (mm)
T	4
W	50
M	10
L	93
L_1	95
BL	95 ± 1
CL	100

ENVIRONMENTAL SPECIFICATIONS

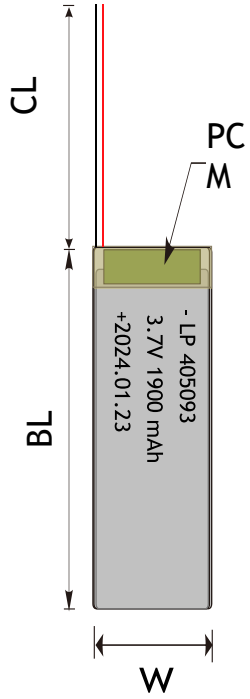
Charging Temperature Range	0 - 45°C
Discharging Temperature Range	-20 - 60°C
Storage Period 1 Week	-20 - 45°C
Storage Period 1 Month	-10 - 45°C
Storage Period 6 Months	0 - 35°C

BATTERY PROTECTION

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

MECHANICAL SPECIFICATIONS

Dimensions	95x 50 x 4 mm(L*W*T)
Weight	31 g
Battery Terminals	WC/ FL *



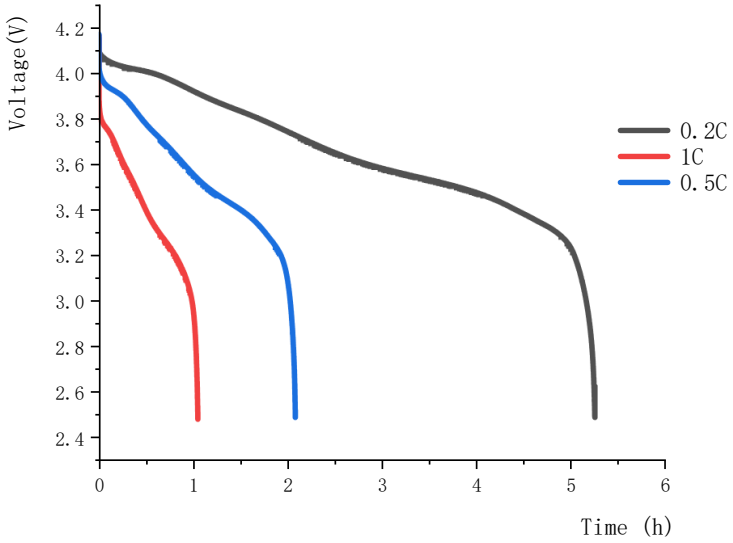
CERTIFICATION

Certification Approval	PLEASE CONSULT SALES

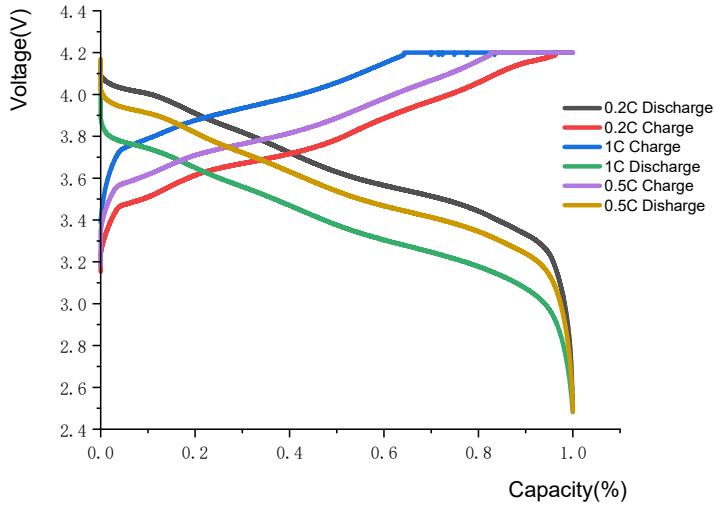
* WC=With Connector FL=Flying Leads UWP=Blue Wrapped PVC BWP=Black Wrapped PVC BC= Bare Cell

RELATIVE CURVES

Discharge Characteriestics Curve in Different Rate@25℃



Charge & Discharge Characteriestics in different Rate@25℃



ANNOUNCEMENT

- Use recommended methods to make battery terminal connections.
- Never charge a LiPo battery near an exit. Keep exit egress clear in case of a fire or emergency.
- Avoid using the device for a long time in a hot environment.
- NEVER extinguish LiPo batteries with water.
- NEVER put Li-Ion or LiPo batteries in the trash.
- Never leave un-attended!
- Check the voltage of the pack or cells before charging. Do not attempt to charge any pack if the open voltage is lower than the Lowest Open Voltage. Check the voltage of each cell before charging via the balance connector. If the voltage of any cell is less than 3.0V/cell, remove it from service, and dispose of it properly.
- Do not place metallic substances in direct contact with the positive and negative terminals of the battery.
- Before starting work,make sure your Li-po batteries, chargers, and associated equipment are tested in accordance with an appropriate test standard (e.g., UL 2054), certified by a Nationally Recognized Testing Laboratory (NRTL), and rated for their intended uses.
- NEVER put Li-Ion or LiPo batteries in the trash.
- Avoid frequent charging and discharging on the way to using the battery.