LP POWER COMPANY LIMITED

PRODUCTION SPECIFICATION

1 YEAR WARRANTY

Lipo Battery Features

- Long Cycle Life: up to 500-1000 life cycles
- Production Lead Time up to 3 Days
- Higher energy density
- Smaller and lighter
- Lower self-discharge rate
- Higher voltage output
- Faster recharge
- Good temperature tolerance

ENVIRONMENTAL SPECIFICATION

Charging Temp. Range	0 – 45° C
Discharging Temp. 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

LIPO BATTERY SPECIFICATION

Part Number	LP 505080
Nominal Voltage	3.7V
Nominal Capacity	2500 mAh
Internal Impedance	＜60mΩ
Charge Voltage	4.2V
Recommended Charge Current	0.2C
Allowed Max Charge Current	0.5C
Output Voltage Range	4.2 - 2.5V
Recommended Discharge Current	0.2C
Max Continuous Discharge Current	1C
Pulse Discharge Current	3C(10mS)
Discharge Cut-off Voltage	2.5±0.05V
Cycle Life to 80% Health	500(0.2C, 25℃)

BATTERY PROTECTION

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

MECHANICAL SPECIFICATION

Dimensions	82 x 50 x 5 mm(L1*W*T)
Weight	41 g
Battery Terminals	WC/FL*

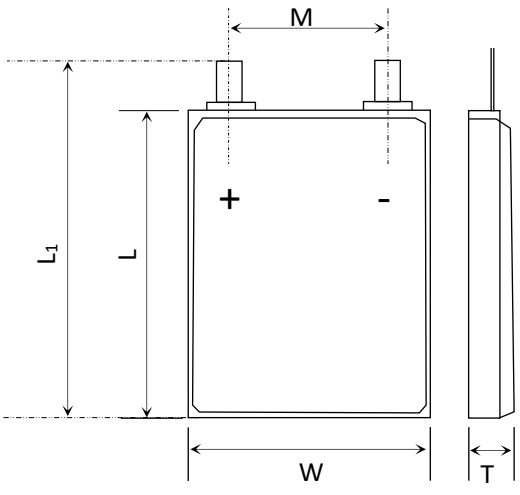
*WC=With Connector FL=Flying Leads

CERTIFICATION

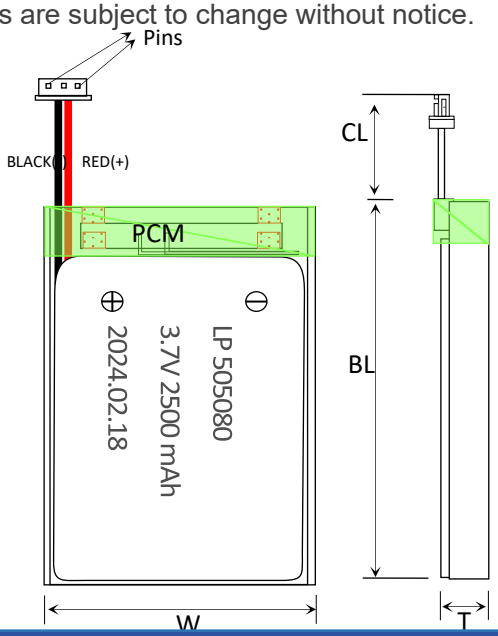
Certificate Approval	UN38.3/ UL/ CE/ customize

*Specifications are subject to change without notice.

OUTER DIMENDIONS (mm)



Item	Parameter (mm)
T	5
W	50
M	10
L	80
L1	82
BL	82 ± 1
CL	100



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LEARN MORE ON:
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