Data sheet

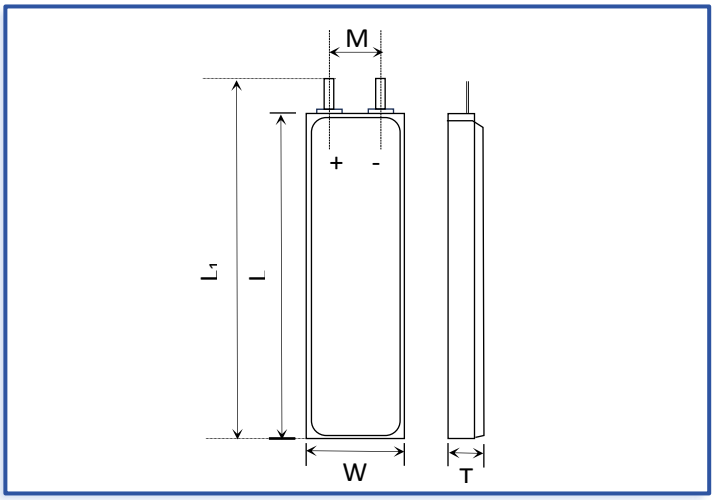
LITHIUM POLYMER BATTERY

1 YEAR WARRANTY

PART NUMBER: LP502055

ELECTRICAL CHARACTERISTICS

RATED CAPACITY	550mAh
NOMINAL VOLTAGE	3.7V
WATT-HOUR RATING	2 Wh
MAX. OPERATING VOLTAGE RANGE	2.75V -4.20V
PULSE DISCHARGE CURRENT	3C(1mS)
MAX. CHARGE CURRENT	0.5C
MAX. CONTINOUS DISCHARGE CURRENT	1C
INTERNAL IMPEDANCE	<60m Ω
EXPECTED CYCLE LIFE(23±5℃)	500(0.2C)

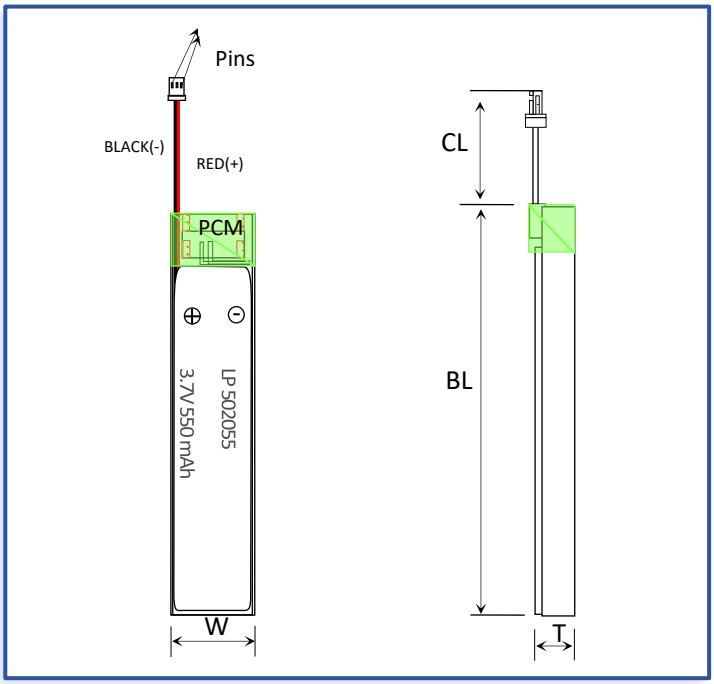


Item	Parameter (mm)
T	5
W	20
M	5
L	55
L_1	57
BL	57±1
CL	100

MECHANICAL CHARACTERISTICS

DIMENSIONS	57 x 20 x 5 mm
PCM	YES
TERMINALS	WC/FL*
WEIGHT	9 g

*WC=With Connector FL=Flying Leads



CELL PROTECTION

OVER CHARGE DEFECTION	4.275±50mV
OVER DISCHARGE DEFECTION	2.5V±50mV
OVER CURRENT DEFECTION	3A-5A
SHORT CIRCUIT DEFECTION	YES

AMBIENT CODITIONS

CHARGE TEMP. RANGE	0~+45℃
DISCHARGE TEMP. RANGE	-20~+60℃
STORAGE TEMP. RANGE	0~+35℃(per year)
HUMIDITY	65±20%RH

*Specifications are subject to change without notice.

CONTACT

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LEARN MORE ON:
www.fpbattery.com
LP POWER COMPANY LIMITED