



Datasheet

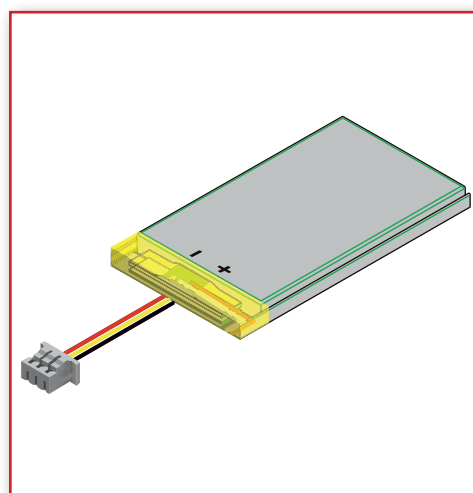
LITHIUM POLYMER BATTERY PACK

Stock number: 176-9376

EN

ELECTRICAL CHARACTERISTICS

BRAND	RS PRO
RATED CAPACITY	980mAh min, 1000mAh typ.
NOMINAL VOLTAGE	3.7V
WAT-HOUR RATING	3.63Wh
MAX. OPERATING VOLTAGE RANGE	2.75V to 4.20V
MAX. CHARGE VOLTAGE	4.2V \pm 50mV
MAX. CHARGE CURRENT	196mA
MAX. CONTINUOUS DISCHARGE CURRENT	980mA
DISCHARGE CUT OFF	2.75V
INTERNAL IMPEDANCE	<300m Ω
EXPECTED CYCLE LIFE @ (0.5C/0.5C) @ 23 \pm 5°C	500 cycles \geq 80%

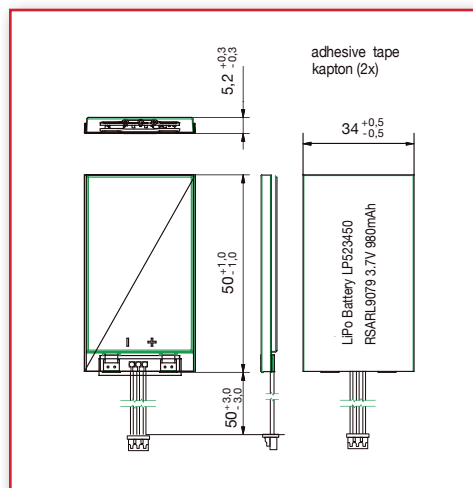


MECHANICAL CHARACTERISTICS

CELL	LP523450
PCM	Yes
NTC	10K Ω 1% +25C B3380
CONFIGURATION	1S1P
WEIGHT	APPR. 19.6G

CELL PROTECTION

OVERCHARGE DETECTION	4.275 \pm 50mV (0.7 to 1.3sec. delay, release 4.275V \pm 50mV)
OVERDISCHARGE DETECTION	2.75V \pm 50mV (14 to 26msec. delay, resume 2.50V \pm 50mV)
OVERCURRENT DETECTION	2A to 4.5A (8 to 16msec. delay)



AMBIENT CONDITIONS

CHARGE TEMP. RANGE	0 to +45°C
DISCHARGE TEMP. RANGE	-20 to +60°C
STORAGE TEMP. RANGE	1 year at -20 to +30°C >70%
OVERCURRENT DETECTION	3 months at -20 to +45°C >70%
	1 month at -20 to +60°C >70%
HUMIDITY	65 ± 20%RH