

**3.7V****1.5Ah****LiPo****5.5Wh**

Lithium Polymer Battery for Motion Sensors

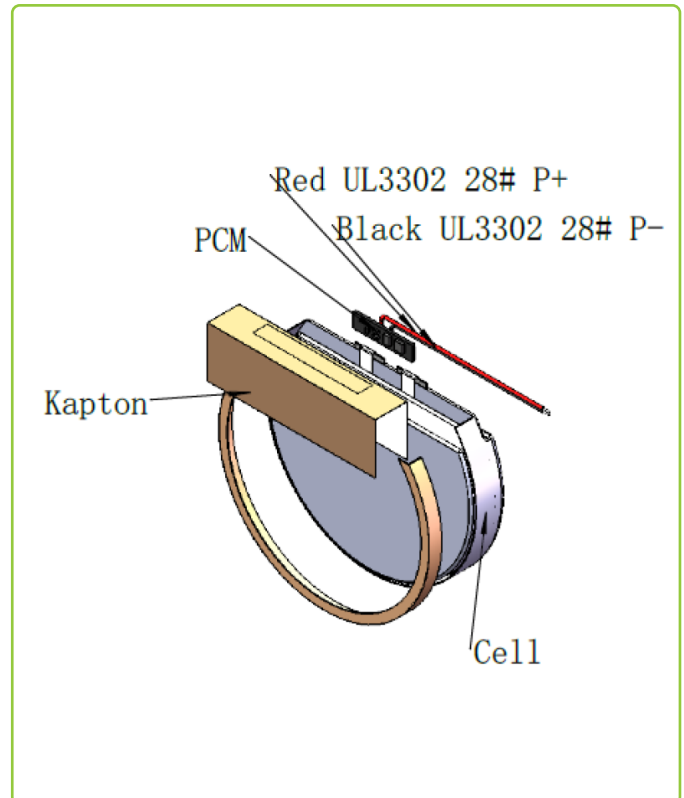
FEATURES

The GRP755040 is a high quality Lithium Polymer battery pack with built-in PCM.

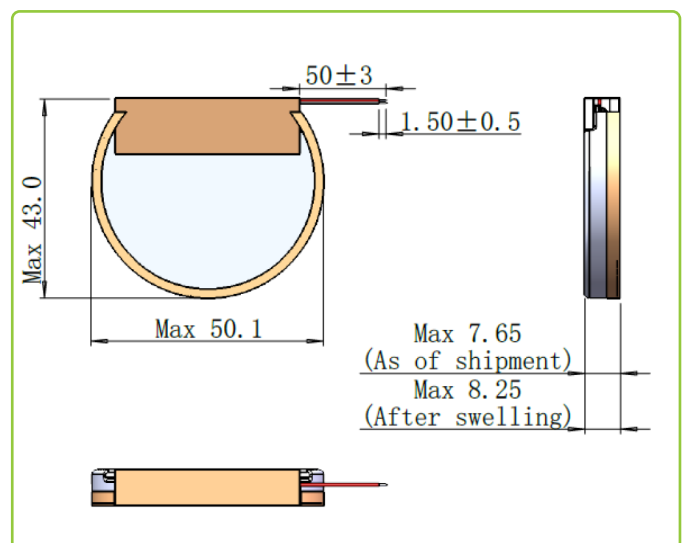
It possesses low magnetic resonance and high current capabilities which make it suitable for motion sensor applications.

SPECIFICATIONS

Model No.	GRP755040
Nominal Capacity	1500 mAh
Watt-hour rating	5.55 Wh
Chemistry	Lithium Polymer (LiPo)
Cell	LPR755040
Configuration	1S
Continuous Discharge Current	750 mA (0.5A)
Max Charge/Discharge Current	1.5 A (1C)
Max Charging Voltage	4.2 V
Internal Resistance	$\leq 120 \text{ m}\Omega$
Indicator	NA
Connector	50mm fly leads AWG28
Operating Temperature	
Charge Mode	10~45°C
Discharge Mode	-20~60°C
Storage Mode	-20~35°C
Communication	NA
PCM	
Over Charge Protection	
Over Charge Voltage Threshold	4.28 \pm 0.025 V
Over Charge Delay	1.2 S
Over Charge Voltage Release	4.13 \pm 0.05 V
Over Discharge Protection	
Over Discharge Voltage Threshold	2.8 \pm 0.05 V
Over Discharge Delay	180 mS
Over Discharge Voltage Release	3.1 \pm 0.1 V
Over Discharge Current Protection	3~8 A
Over Discharge Current Release	Open load
Short Circuit Protection	
Detection condition	External short circuit
Delay time	240~360 μ S
Release	Open short-circuit
Balance Function	NA
Housing	NA
Certification	NA
Cycle Life	≥ 300 cycles



DIMENSIONS



Dimensions	50.1mm (W) x 43mm (L) x 8.25mm* (T) *Max. swelling
Weight	26 \pm 2.0g

All specifications are correct at time of creation. All specifications and operation conditions contained in this datasheet are subject to change or improvement without prior notice to the user. This data is for evaluation purposes only. No guarantee is intended or implied by this data. For clarification and updated information, please contact us.