

RESONETICS®

CONTEGO® 140 mAh BATTERY

Implantable
Lithium-Ion



Resonetics® designs and manufactures implantable battery solutions for a wide range of medical devices. From off-the-shelf products to application-specific designs, our batteries are engineered to deliver reliable performance in demanding environments.

Features and benefits

- Long cycle life
- ISO 13485 certified
- Fully welded hermetically sealed design
- Thermal safety shutdown separator
- Long shelf life
- Case negative design

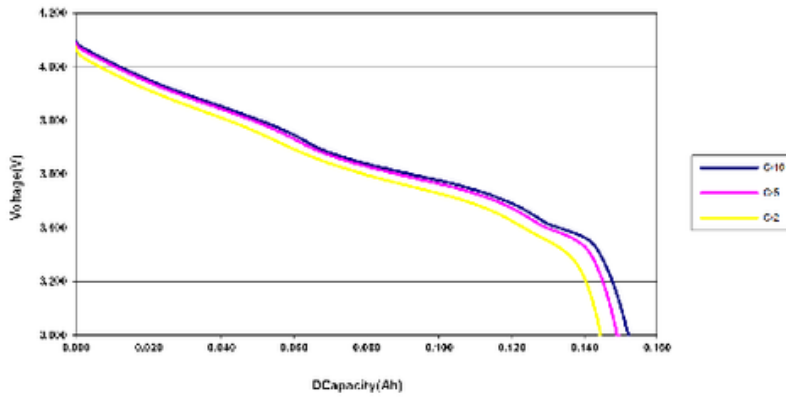
Applications

- Neuromodulation
- Monitoring
- Sleep apnea
- Incontinence
- Various
 - Rate and capacity dependent

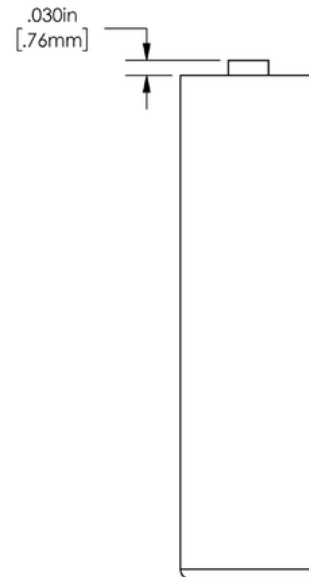
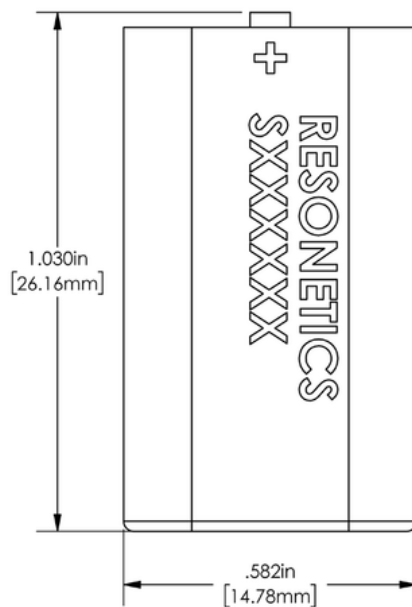
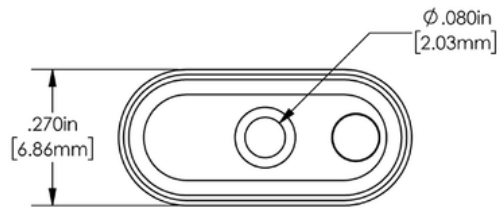
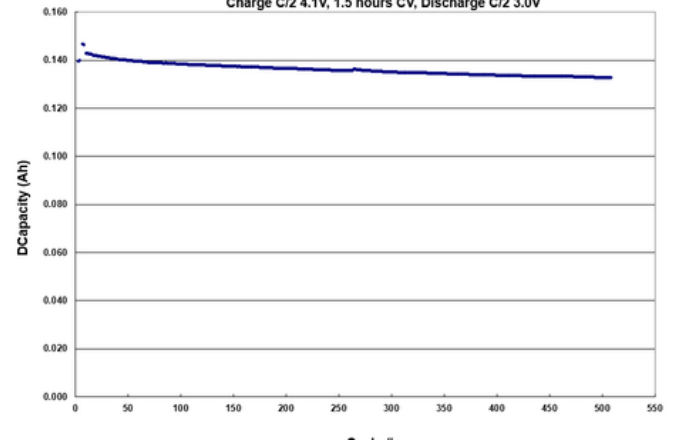
Specifications

Part number	99-2100
Weight	6.0g
Dimensions	See details on back
Nominal voltage	3.6V
Voltage range	3.0 - 4.1V
Capacity (beginning of life)	140 mAh at C/5 charge to 4.1V C/5 discharge to 3.0V and 20°C (68°F)
Recommended continuous charge rate	C/2
Cycle life at 37 °C (99°F)	>80% capacity after 1,000 cycles C/2 charge to 4.1V C/2 discharge to 3.0V
Volume	2.32 cc
Operating temperature	37°C (99°F)
Recommended storage conditions	20±5°C (68±9°F)
Case material	Stainless steel
Terminals	Molybdenum
Transportation safety	UN recommendations on the transportation of dangerous goods ST/SG/AC.10/11
Options	Custom terminations Application specific testing

Contego 140
Rate Capability Study @ 37°C
C Charge C/10, C/5, C/2 Discharge



Contego 140mAh
Cycle Life Testing, 37°C
Charge C/2 4.1V, 1.5 hours CV, Discharge C/2 3.0V



Learn More
Resonetics.com