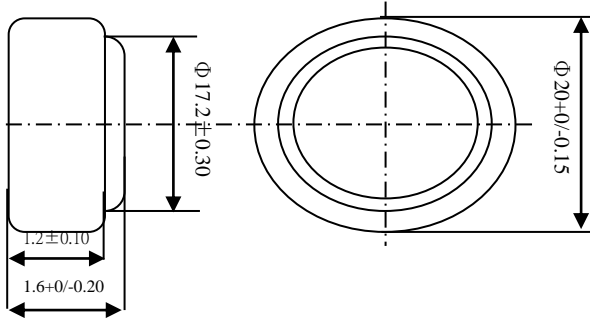


Technical Data Sheet

ORION CR2016

- 1 Chemical System: Lithium/Manganese Dioxide(Li/MnO₂)
- 2 Nominal Voltage: 3.0V
- 3 Nominal capacity: 75mAh(rated at 30kΩ continuous discharge to the end-point voltage 2.0V at 20±3°C)
- 4 Average weight: 1.8g
- 5 Dimensions(mm)



6 Performance:

6.1 Electrical parameters

Item	Storage	Performance	Test condition
OCV	fresh	3.10V~3.30V	DC Voltmeter: accuracy ≥ ±0.005V
	after 12 months	3.10V~3.30V	input impedance ≥ 1MΩ
CCV	fresh	≥ 3.00V	DC voltmeter: same as above
	after 12 months	≥ 3.00V	load: 15kΩ for 0.8 sec.

6.2 Service life

6.3 Leakage proof performance :

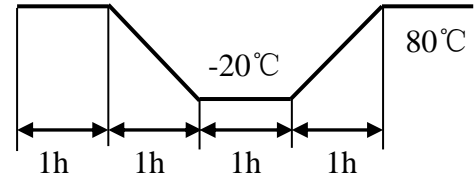
Item	Storage	Performance	Test condition
Quick test	Fresh	≥ 75hrs	load: 3kΩ, end-point voltage: 2.0V
	after 12 months	≥ 68hrs	
Chinese standard	Fresh	≥ 750hrs	load: 30kΩ, end-point voltage: 2.0V
	after 12 months	≥ 675hrs	

Please refer to the following curve.

Temperature range: -20°C~80°C

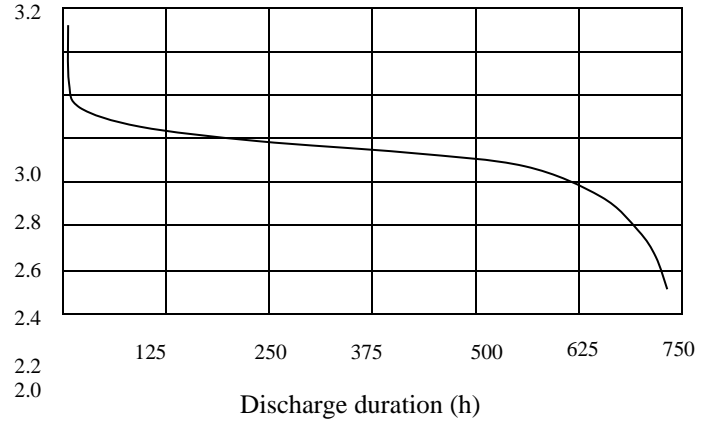
Duration: 20 days.

Test result: no visible leakage



7 Typical discharge curve

load: 30kΩ end-point voltage: 2.0V



8 Marking:

- 8.1 model number: ORION CR2016
- 8.2 brand: "ORION", "Neutral"
- 8.3 polarity: "+" marking on positive terminal (no "-" marking)
- 8.4 other specified marking:

9 Precautions:

- 9.1 Never charge the battery as it is not designed to be rechargeable, may cause leakage or explosion.
- 9.2 Insert battery with its positive and negative terminals properly aligned with the corresponding marks on the equipment.
- 9.3 Never short circuit, heat, incinerate or dismantle the battery.