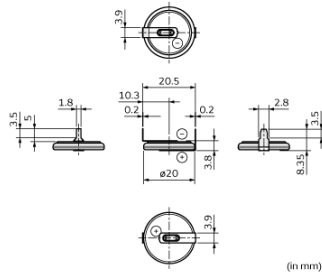


CR2032R-HO6

The High Drain lithium coin batteries feature excellent high-current discharge performance to support LPWA devices, as well as outdoor infrastructures and environment monitoring sensors.

In Production REACH

Appearance & Shape



Applications

Other Usage	<ul style="list-style-type: none"> •IoT ·Tracking devices ·Sensors ·Security
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Attention

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Features

• **Lightweight, High Voltage and High Energy Density**

The battery voltage is 3V, almost double that of normal alkaline or manganese batteries. This means that the number of batteries required for equipment can be halved for maximum space saving and weight reduction.

• **Excellent Discharge Characteristics**

Voltage characteristics remain stable even for a long period of discharge, greatly improving the reliability of equipment that uses the battery. Such equipment is also maintenance-free (battery replacement is seldom required).

• **Maximum pulse discharge current*¹ - About double compared to conventional type**

Compared to the Standard, the High Drain maintains high current even when the discharge continues. The maximum pulse discharge current*¹ has been doubled to 50mA compared to that of Standard. This model can now be used for LPWA communication devices, such as LoRa with high peak currents, etc. which was difficult to be handled with the coin lithium battery in the past*².

*¹ Maximum current of pulsed discharge (3 seconds) at 2V or higher discharged with 50% nominal capacity at an ambient temperature of 23°C

*² Peak current may vary according to the using environment and conditions of use

• **Capacity usage rate, about 3 times compared to conventional type*³**

Compared with the Standard, since the High Drain can maintain a high voltage even when the discharge continues, the capacity of the battery can be used effectively.

*³ Pulsed discharge at 45mA for 3 seconds and no discharge for 33 seconds at an ambient temperature of 23°C

• **Excellent Leakage Resistance**

The newly developed battery construction and electrolyte ensure maximum leakage resistance over a long span of time.

• **Excellent Long-Term Reliability**

Carefully selected active materials are used for the active material as well as for the electrolyte. These materials are sealed by Murata's innovative technology to minimize battery self-discharge. The annual self-discharge rate at room temperature and normal humidity is less than 1% of the nominal capacity.

• **UL Approved Parts**

Murata's Coin Manganese Dioxide Lithium Batteries are approved by UL. (UL 1642 File No. MH12566)

• **RoHS Directive / European Directives**

This product does not contain Mercury(Hg), Cadmium(Cd), nor Lead(Pb), and conforms to EC regulation values. (Directive 2006/66/EC, 2013/56/EU)

Battery pack are excluded from RoHS directive (DIRECTIVE 2011/65/EU OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 8 June 2011 on the restriction of the use of certain hazardous substances in electrical and electronic equipment).

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CR2032R-HO6



Specifications

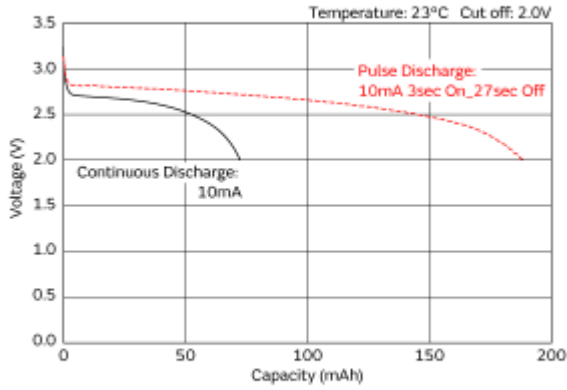
Battery type	Coin Manganese Dioxide Lithium Batteries
Nominal Voltage	3.0V
Nominal Capacity	200mAh
Recommended Continuous Discharge Current	3mA or less
Maximum Pulse Discharge Current(mA) *Assumption: Current to keep higher than 2V at 50% discharge with 23°C and pulse length 3sec.	50mA
Operating Temperature Range	-30°C to 70°C
Diameter (inch)	0.787inch
Diameter (mm)	20mm
Height (inch)	0.126inch
Height (mm)	3.2mm
IEC (JIS)	CR2032
Mass (oz)	0.116oz
Mass (g)	3.2g

Attention

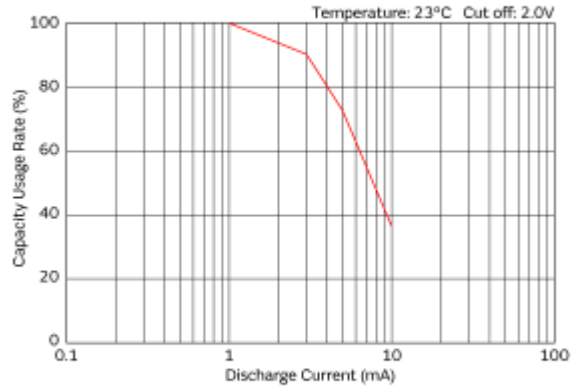
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Product Data



Discharge Characteristics



Discharge Characteristics on Load

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