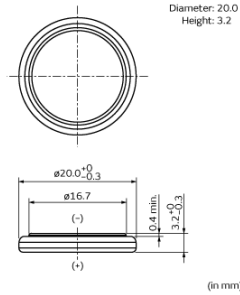


# CR2032W

The Heat-resistant lithium coin batteries support wider operating temperature -40 to +125 °C and are ideal for devices used in severe temperature environments such as TPMS etc.

In Production REACH

## Appearance & Shape



## Applications

Other Usage	<ul style="list-style-type: none"> <li>●Automotive                             <ul style="list-style-type: none"> <li>·TPMS(Tire Pressure Monitoring System)</li> <li>·Toll collection device</li> </ul> </li> <li>●IoT/Others                             <ul style="list-style-type: none"> <li>·Factory Automation Instruments</li> <li>·Smart meters</li> <li>·Tracking devices</li> </ul> </li> </ul>
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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).

### •Outstanding Temperature Characteristics :

Murata's original organic electrolyte provides superb characteristics over a wide range of temperature from low to high.  
-30 to +70 degrees C(Standard type) -40 to +125 degrees C(Heat-resistant type)

### •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 :

Sony's Coin Manganese Dioxide Lithium Batteries are approved by UL. (UL1642 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).

### Attention

- 1.This datasheet is downloaded from the website of Murata Manufacturing Co., Ltd. Therefore, it's specifications are subject to change or our products in it may be discontinued without advance notice. Please check with our sales representatives or product engineers before ordering.
- 2.This datasheet has only typical specifications because there is no space for detailed specifications.  
Therefore, please review our product specifications or consult the approval sheet for product specifications before ordering.

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# CR2032W

## Specifications

Battery type	Coin Manganese Dioxide Lithium Batteries
Nominal Voltage	3.0V
Nominal Capacity	210mAh
Recommended Continuous Discharge Current	1mA or less
Operating Temperature Range	-40°C to 125°C
Diameter (inch)	0.787inch
Diameter (mm)	20mm
Height (inch)	0.126inch
Height (mm)	3.2mm
IEC (JIS)	CR2032
Mass (oz)	0.109oz
Mass (g)	3.1g

**Attention**

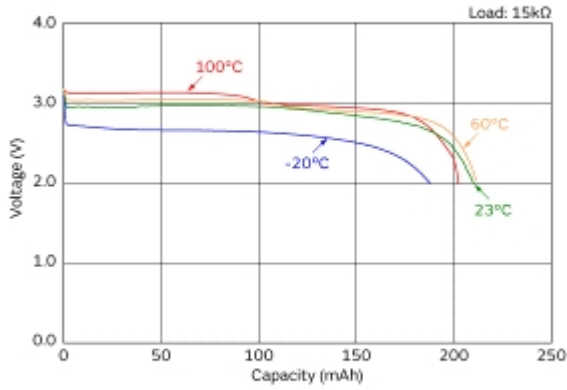
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## Product Data



Discharge Characteristics

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Компания «Океан Электроники» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Поставка оригинальных импортных электронных компонентов напрямую с производств Америки, Европы и Азии, а так же с крупнейших складов мира;
- Широкая линейка поставок активных и пассивных импортных электронных компонентов (более 30 млн. наименований);
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Помощь Конструкторского Отдела и консультации квалифицированных инженеров;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Поставка электронных компонентов под контролем ВП;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- При необходимости вся продукция военного и аэрокосмического назначения проходит испытания и сертификацию в лаборатории (по согласованию с заказчиком);
- Поставка специализированных компонентов военного и аэрокосмического уровня качества (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Actel, Aeroflex, Peregrine, VPT, Syfer, Eurofarad, Texas Instruments, MS Kennedy, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

Компания «Океан Электроники» является официальным дистрибьютором и эксклюзивным представителем в России одного из крупнейших производителей разъемов военного и аэрокосмического назначения «JONHON», а так же официальным дистрибьютором и эксклюзивным представителем в России производителя высокотехнологичных и надежных решений для передачи СВЧ сигналов «FORSTAR».



## JONHON

«JONHON» (основан в 1970 г.)

Разъемы специального, военного и аэрокосмического назначения:

(Применяются в военной, авиационной, аэрокосмической, морской, железнодорожной, горно- и нефтедобывающей отраслях промышленности)

«FORSTAR» (основан в 1998 г.)

ВЧ соединители, коаксиальные кабели, кабельные сборки и микроволновые компоненты:

(Применяются в телекоммуникациях гражданского и специального назначения, в средствах связи, РЛС, а так же военной, авиационной и аэрокосмической отраслях промышленности).



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