

コイン形二酸化マンガンリチウム電池
Coin manganese dioxide lithium batteries

CR3677X

■ 適用範囲

当データシートはコイン形二酸化マンガン・リチウム電池CR2477Xに適用します。

■ 適用用途

・民生機器：家電機器・AV機器・通信機器・情報機器・事務機器・家庭用ロボット機器といった民生機器、かつ、その機能が人命及び財産の保護に直接的にかかわらない機器に使用できる製品

・医療機器(GHTF Class A)：国際分類クラスGHTF/IMDRFでClass Aで規定される医療機器で、かつ、その機能が人命及び財産の保護に直接的にかかわらない機器に使用できる製品
・産業機器：基地局・製造機器・工業用ロボット機器といった産業機器で、かつ、その機能が人命及び財産の保護に直接的にかかわらない機器に使用できる製品

■ 適用外用途

車載機器、医療機器B・C・D及び当データシートの「用途の限定」に書かれている用途

*車載機器、医療機器 GHTF Class B・Cの対応品については、お客様とお取引のある弊社営業窓口・代理店・商社、またはお問い合わせフォーム
(<https://www.murata.com/contactform>)までお問い合わせください。

■ Scope

This data sheet is applicable to Coin Manganese Dioxide Lithium Battery CR2477X.

■ Specific Applications

- ・ Consumer equipment: Products that can be used in consumer equipment such as home appliances, audio/visual equipment, communication equipment, information equipment, office equipment, and household robotics, and whose functions are not directly related to the protection of human life and property.
- ・ Medical equipment (GHTF Class A): Products that can be used for medical equipment regulated by Class A of the international classification class GHTF/IMDRF and whose functions do not directly relate to the protection of human life and property.
- ・ Industrial equipment: Products that can be used in industrial equipment such as base stations, manufacturing equipment, and industrial robotics equipment, and whose functions do not directly relate to the protection of human life and property.

■ Unsuitable Applications

Automotive equipment, medical equipment GHTF Class B, C, D and applications listed in "Limitation of applications" in this Data sheet.

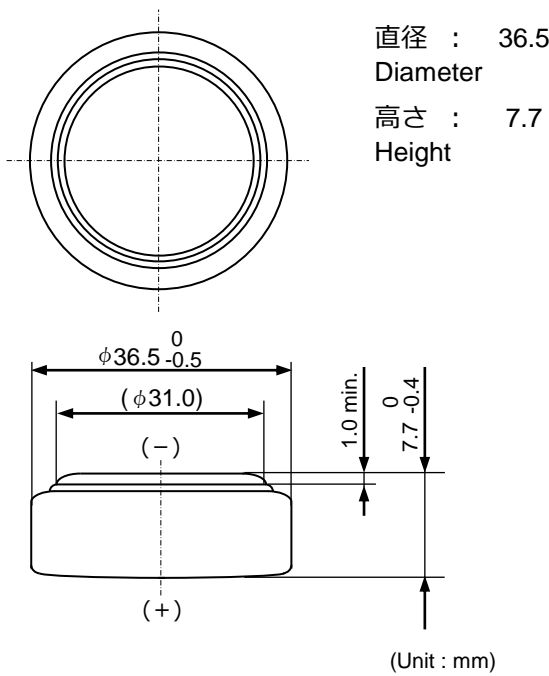
* Automotive equipment and medical equipment GHTF Class B and C, please contact our sales offices, distribution agents, or trading companies with which you make a deal, or via our web contact form.

Contact form: <https://www.murata.com/contactform>

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■外形寸法 Dimensions



■定格 Specifications

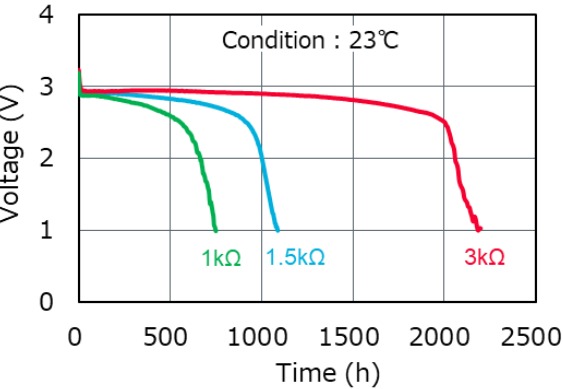
公称電圧 Nominal Voltage	3.0 V
公称容量 (終止電圧2.0V) Nominal Capacity (2.0V cutoff)	2000 mAh
推奨連続放電電流値 (容量利用率高) Recommended Continuous Discharge Current (High capacity usage rate)	≤3 mA
最大パルス放電電流 (mA) *DOD40%時, 23℃, パルス長さ3sec, 2V以上 Maximum Pulse Discharge current (mA) *Assumption : Current to keep higher than 2V at 40% discharge with 23℃ and pulse length 3sec.	80 mA
標準質量 Weight	20 g
使用温度範囲 Operating Temperature	-40 ~ +85℃

UL認定合格部品 UL Recognized components

- 許可番号 Certification number : MH12566
- User replaceable

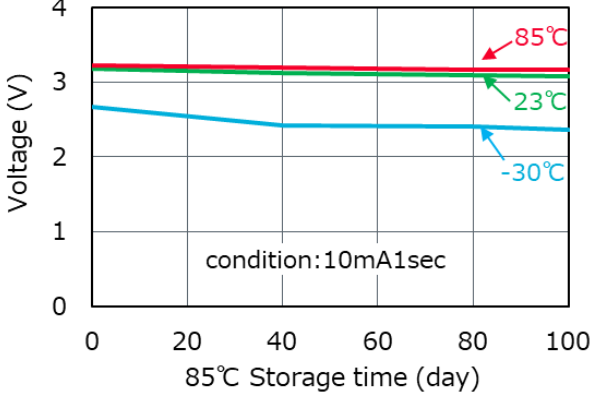
■放電特性(初期)

Discharge characteristics by Load (initial)



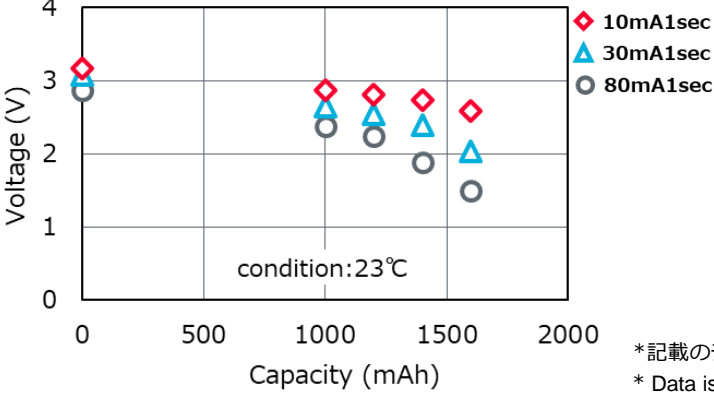
■保存後特性 (85℃保存後CCV)

Storage characteristics (CCV after 85℃ storage)



■CCV特性

Closed Circuit Voltage characteristics



*記載のデータ及び数値は、参考値であり保証値ではありません。
* Data is not guaranteed and is provided for reference purposes only.

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■用途の限定

当データシートに記載の製品は、当データシート内で個別に記載の適用用途向けに設計・製造されたものであり、高度な性能・機能・品質・管理・安全性が要求される本注意書き末尾①から⑪までの用途への適合性・性能発揮・品質等を保証するものではありませんので、当データシート記載の適用用途に従ってご使用ください。

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①航空機器 ②宇宙機器 ③海底機器 ④発電所制御機器 ⑤医療機器 ⑥輸送機器 ⑦交通用信号機器
⑧防災/防犯機器 ⑨産業用情報処理機器 ⑩燃焼/爆発制御機器 ⑪その他上記機器と同等の機器

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■ Limitation of Applications

The products listed in the Data sheet hereinafter the product(s) is called as the "Product(s)" are designed and manufactured for applications specified in the Data sheet. (hereinafter called as the "Specific Application").

We shall not warrant anything in connection with the Products including fitness, performance, adequateness, safety, or quality, in the case of applications listed in from (1) to (11) written at the end of this precautions, which may generally require high performance, function, quality, management of production or safety. Therefore, the Product shall be applied in compliance with the specific application.

WE DISCLAIM ANY LOSS AND DAMAGES ARISING FROM OR IN CONNECTION WITH THE PRODUCTS INCLUDING BUT NOT LIMITED TO THE CASE SUCH LOSS AND DAMAGES CAUSED BY THE UNEXPECTED ACCIDENT, IN EVENT THAT (i) THE PRODUCT IS APPLIED FOR THE PURPOSE WHICH IS NOT SPECIFIED AS THE SPECIFIC APPLICATION FOR THE PRODUCT, AND/OR (ii) THE PRODUCT IS APPLIED FOR ANY FOLLOWING APPLICATION PURPOSES FROM (1) TO (11) (EXCEPT THAT SUCH APPLICATION PURPOSE IS UNAMBIGUOUSLY SPECIFIED AS SPECIFIC APPLICATION FOR THE PRODUCT IN OUR CATALOG SPECIFICATION FORMS, DATASHEETS, OR OTHER DOCUMENTS OFFICIALLY ISSUED BY US*).

(1) Aircraft equipment (2) Aerospace equipment (3) Undersea equipment
(4) Power plant control equipment (5) Medical equipment (6) Transportation equipment
(7) Traffic control equipment (8) Disaster prevention/security equipment
(9) Industrial data-processing equipment (10) Combustion/explosion control equipment
(11) Equipment with complexity and/or required reliability equivalent to the applications listed in the above.

For exploring information of the Products which will be compatible with the particular purpose other than those specified in the Data sheet, please contact our sales offices, distribution agents, or trading companies with which you make a deal, or via our web contact form.

Contact form: <https://www.murata.com/contactform>

*We may design and manufacture particular Products for applications listed in (1) to (11). Provided that, in such case we shall unambiguously specify such Specific Application in the Data sheet without any exception. Therefore, any other documents and/or performances, whether exist or non-exist, shall not be deemed as the evidence to imply that we accept the applications listed in (1) to (11).