

renata batteries

FICHA DE PRODUCTO



CR1025

3V Lithium Battery
Swiss Made

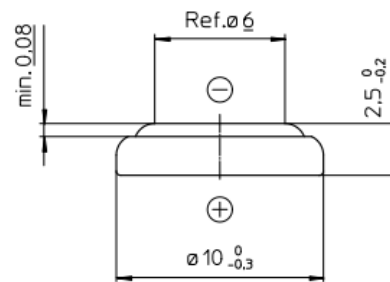
Technical Data Sheet

Specifications

Chemical System	Li / MnO ₂
Nominal Voltage	3 V
Rated Capacity	30 mAh
Standard Discharge Current	0.05 mA
Max. Cont. Discharge Current**	0.4 mA
Average Weight	~ 0.6 g
Operating Temperature*	-40 - +85 °C
Self Discharge at 23°C	< 1% / year

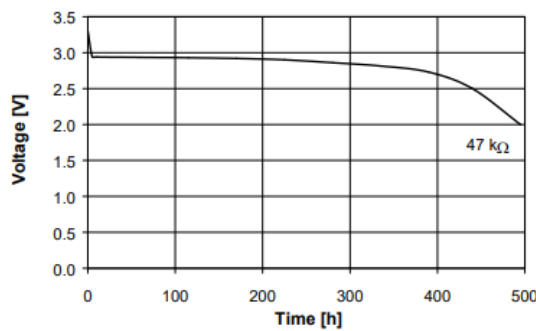
Dimensions

(According to IEC 60086)

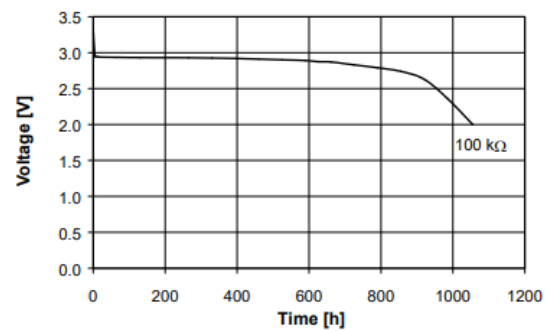


Performance

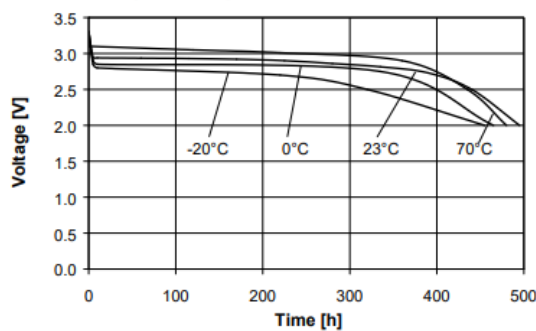
Discharge performance at 23°C



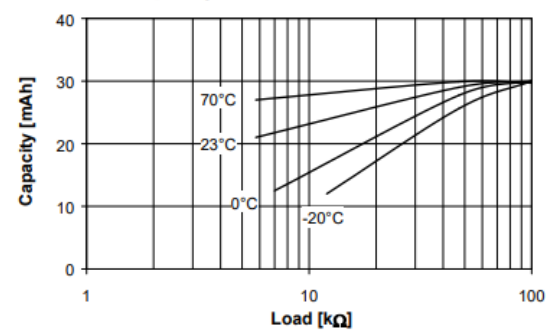
Discharge performance at 23°C



Temperature performance Load 47kΩ



Cell capacity at various loads



*In applications where the battery is exposed to temperatures above 70 °C, please contact Renata for consultancy.
**Average discharge current for a yield of 70% of the nominal capacity with cut-off voltage of 2.0V at 23°C.

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CR1216 MFR

3V Lithium Battery OEM

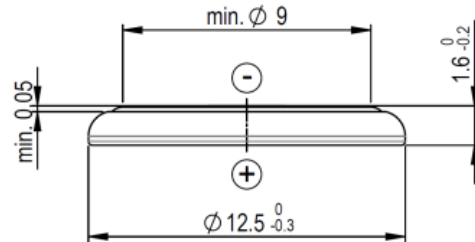
Technical Data Sheet

Specifications

Chemical System	Li / MnO ₂
Nominal Voltage	3 V
Nominal Capacity	25 mAh
Standard Discharge Current	0.1 mA
Max. Cont. Discharge Current **	1 mA
Average Weight	~ 0.7 g
Operating Temperature*	-30 - +85 °C
Self Discharge at 23°C	≈ 1% / year

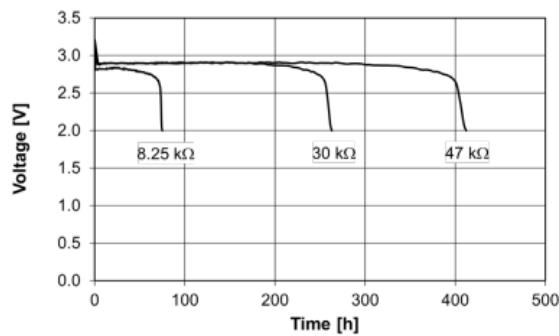
Dimensions

(According to IEC 60086)

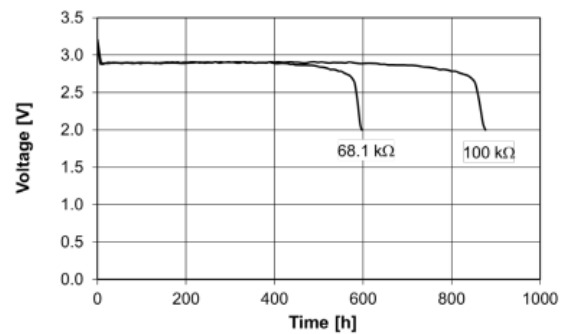


Performance

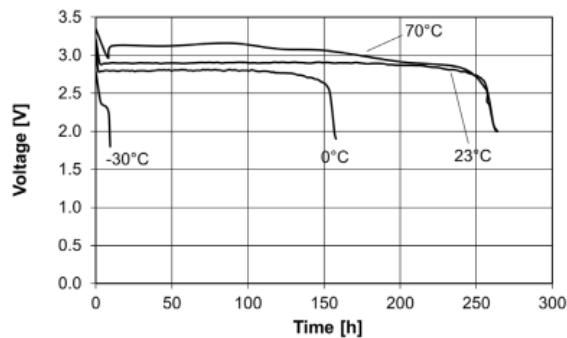
Discharge performance at 23°C



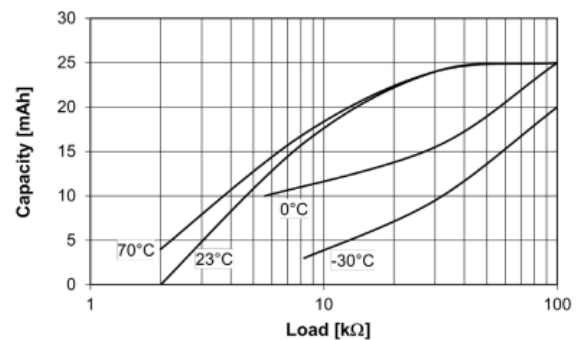
Discharge performance at 23°C



Temperature performance Load 30kΩ



Cell capacity at various loads



*In applications where the battery is exposed to temperatures above 60 °C, please contact Renata for consultancy.
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CR1220 MFR

3V Lithium Battery OEM

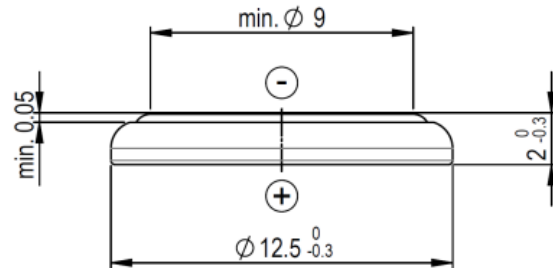
Technical Data Sheet

Specifications

Chemical System	Li / MnO ₂
Nominal Voltage	3 V
Nominal Capacity	35 mAh
Standard Discharge Current	0.1 mA
Max. Cont. Discharge Current**	1 mA
Average Weight	~ 0.9 g
Operating Temperature*	-30 - +85 °C
Self Discharge at 23°C	≈ 1% / year

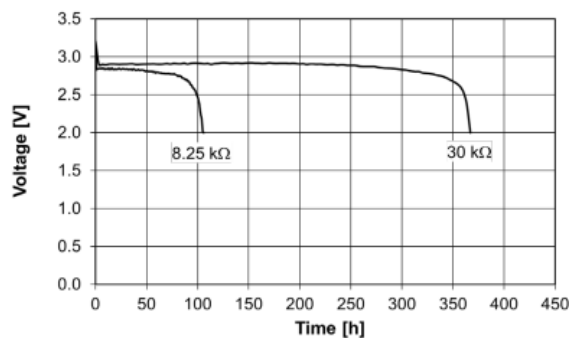
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(According to IEC 60086)

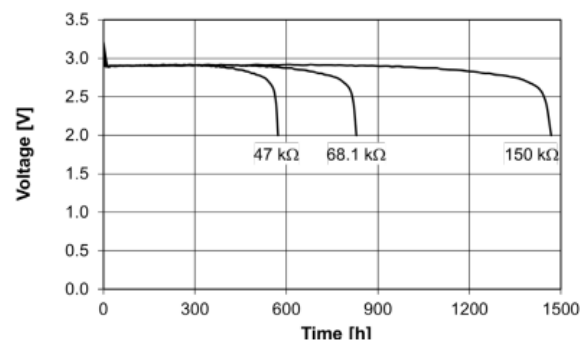


Performance

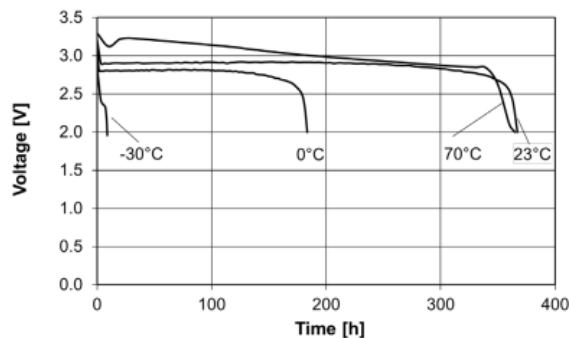
Discharge performance at 23°C



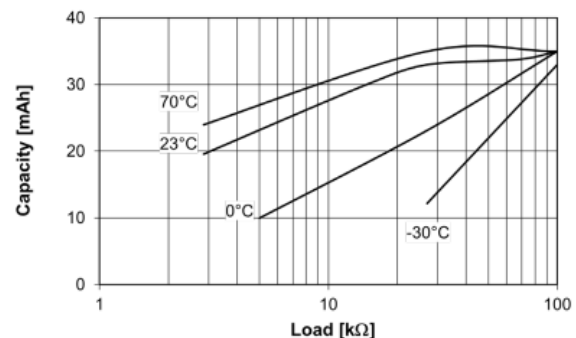
Discharge performance at 23°C



Temperature performance Load 30kΩ



Cell capacity at various loads



*In applications where the battery is exposed to temperatures above 60 °C, please contact Renata for consultancy.
**Average discharge current for a yield of 70% of the nominal capacity with cut-off voltage of 2.0V at 23°C.

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CR1225

3V Lithium Battery
Swiss Made

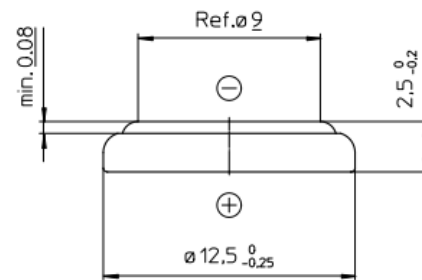
Technical Data Sheet

Specifications

Chemical System	Li / MnO ₂
Nominal Voltage	3 V
Rated Capacity	48 mAh
Standard Discharge Current	0.1 mA
Max. Cont. Discharge Current**	1.0 mA
Average Weight	~ 0.9 g
Operating Temperature*	-40 - +85 °C
Self Discharge at 23°C	< 1% / year

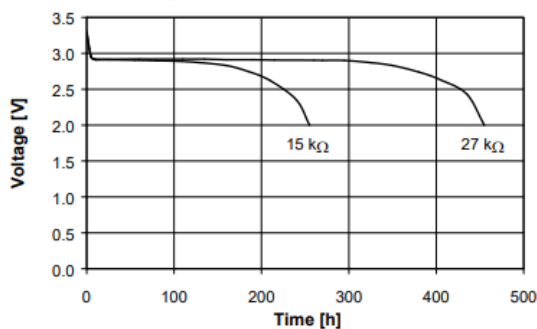
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(According to IEC 60086)

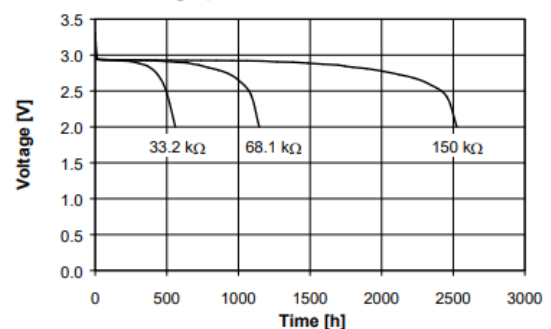


Performance

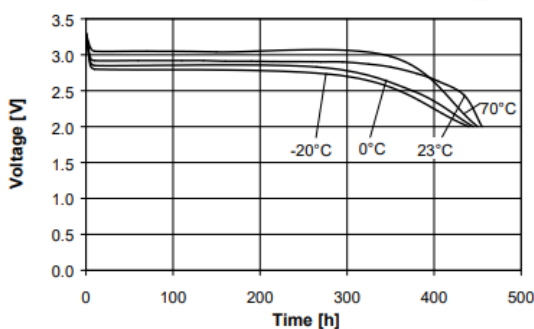
Discharge performance at 23°C



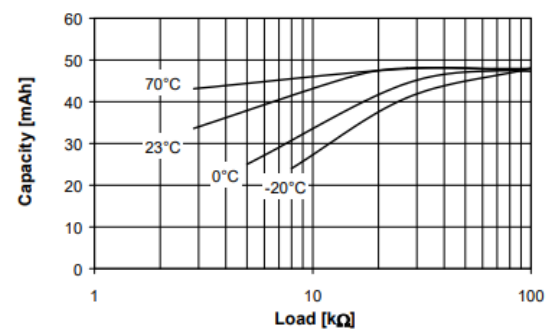
Discharge performance at 23°C



Temperature performance Load 27kΩ



Cell capacity at various loads



*In applications where the battery is exposed to temperatures above 70 °C, please contact Renata for consultancy.
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CR1616

3V Lithium Battery
Swiss Made

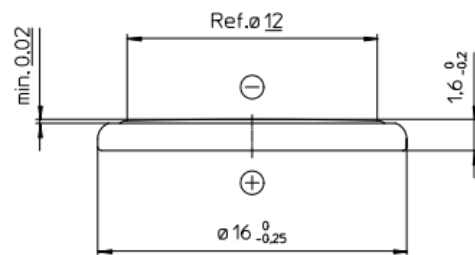
Technical Data Sheet

Specifications

Chemical System	Li / MnO ₂
Nominal Voltage	3 V
Rated Capacity	50 mAh
Standard Discharge Current	0.1 mA
Max. Cont. Discharge Current**	1.0 mA
Average Weight	~ 1.1 g
Operating Temperature*	-40 - +85 °C
Self Discharge at 23°C	< 1% / year

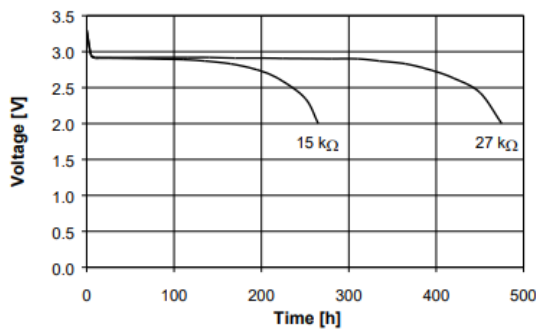
Dimensions

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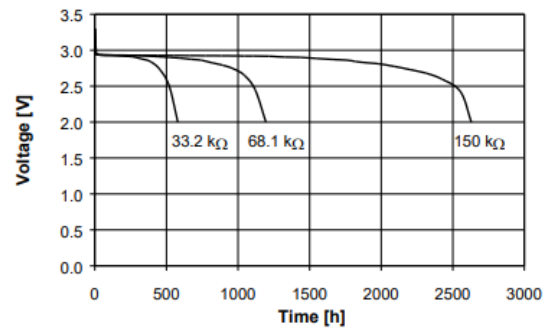


Performance

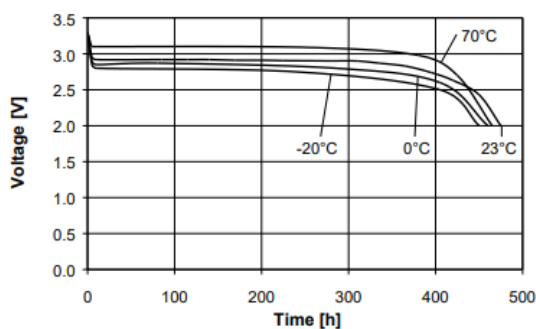
Discharge performance at 23°C



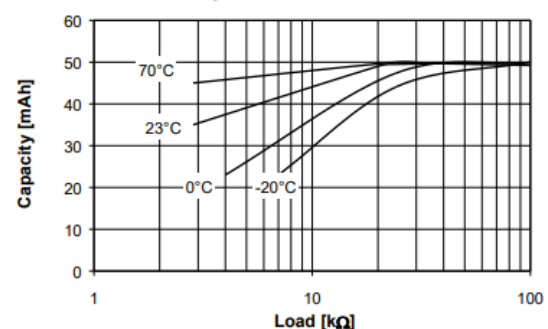
Discharge performance at 23°C



Temperature performance Load 27kΩ



Cell capacity at various loads



*In applications where the battery is exposed to temperatures above 70 °C, please contact Renata for consultancy.
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3V Lithium Battery
Swiss Made

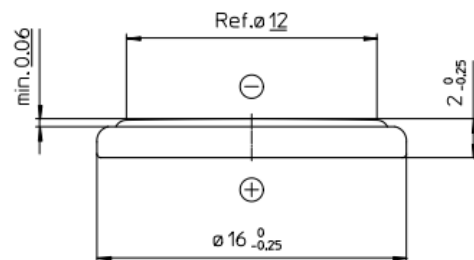
Technical Data Sheet

Specifications

Chemical System	Li / MnO ₂
Nominal Voltage	3 V
Rated Capacity	68 mAh
Standard Discharge Current	0.1 mA
Max. Cont. Discharge Current**	1.0 mA
Average Weight	~ 1.2 g
Operating Temperature*	-40 - +85 °C
Self Discharge at 23°C	< 1% / year

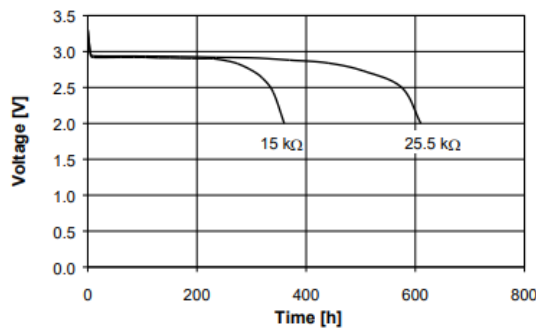
Dimensions

(According to IEC 60086)

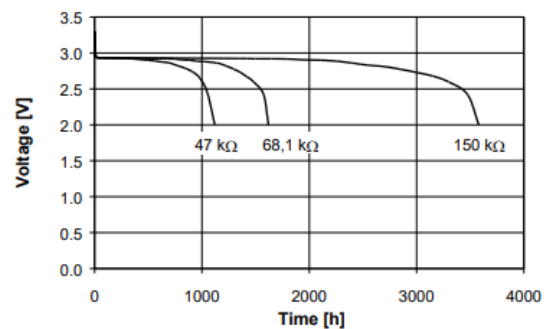


Performance

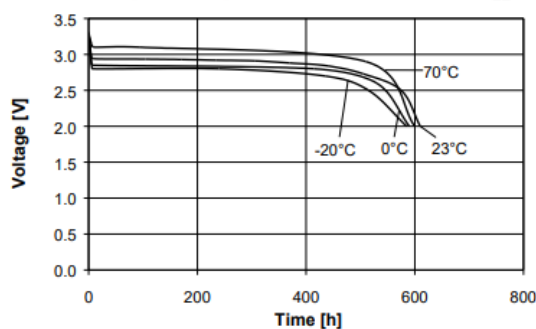
Discharge performance at 23°C



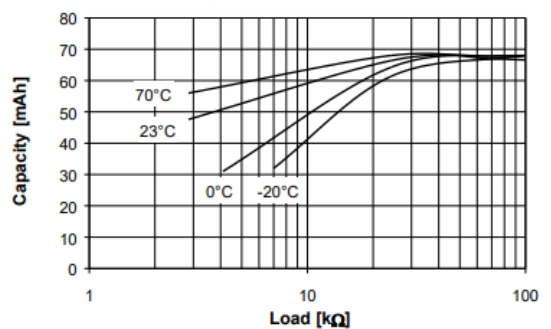
Discharge performance at 23°C



Temperature performance Load 25.5kΩ



Cell capacity at various loads



*In applications where the battery is exposed to temperatures above 70 °C, please contact Renata for consultancy.
**Average discharge current for a yield of 70% of the nominal capacity with cut-off voltage of 2.0V at 23°C.

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CR1632

3V Lithium Battery
Swiss Made

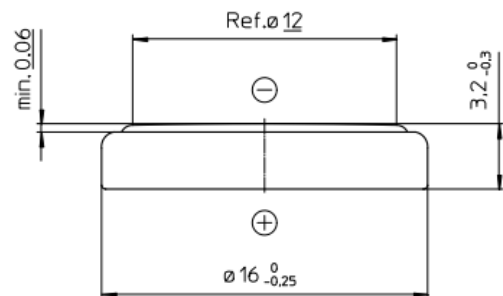
Technical Data Sheet

Specifications

Chemical System	Li / MnO ₂
Nominal Voltage	3 V
Rated Capacity	137 mAh
Standard Discharge Current	0.2 mA
Max. Cont. Discharge Current**	1.5 mA
Average Weight	~ 1.8 g
Operating Temperature*	-40 - +85 °C
Self Discharge at 23°C	< 1% / year

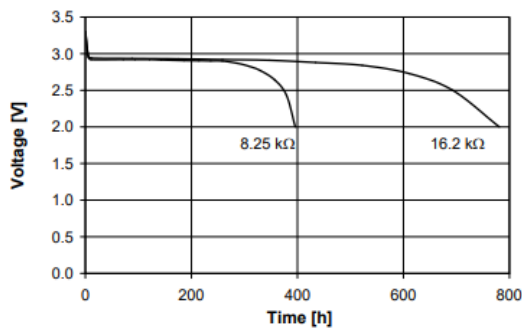
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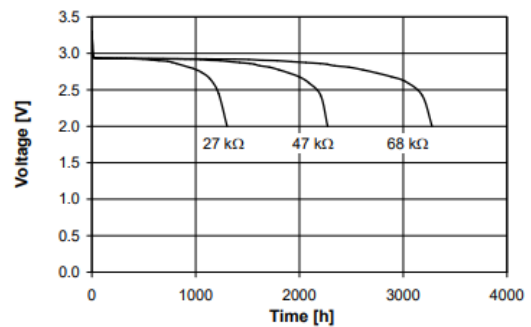


Performance

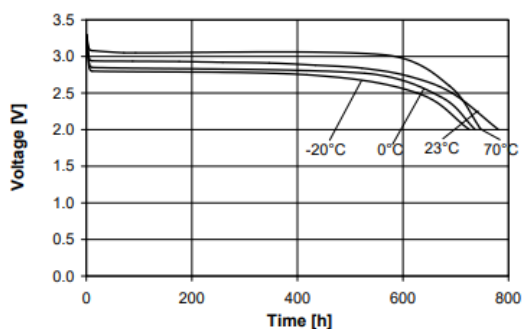
Discharge performance at 23°C



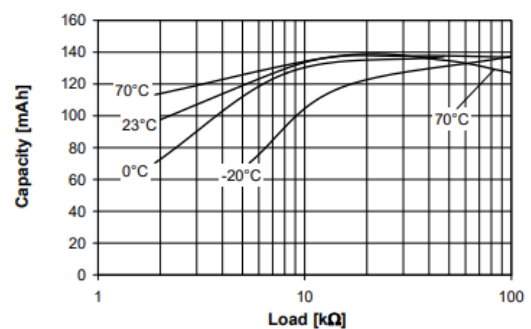
Discharge performance at 23°C



Temperature performance Load 16.2kΩ



Cell capacity at various loads



*In applications where the battery is exposed to temperatures above 70 °C, please contact Renata for consultancy.
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CR2320

3V Lithium Battery
Swiss Made

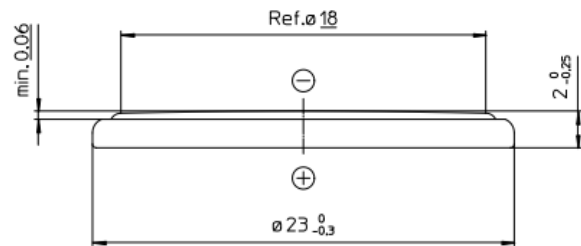
Technical Data Sheet

Specifications

Chemical System	Li / MnO ₂
Nominal Voltage	3 V
Rated Capacity	150 mAh
Standard Discharge Current	0.2 mA
Max. Cont. Discharge Current**	3.0 mA
Average Weight	~ 2.7 g
Operating Temperature*	-40 - +85 °C
Self Discharge at 23°C	< 1% / year

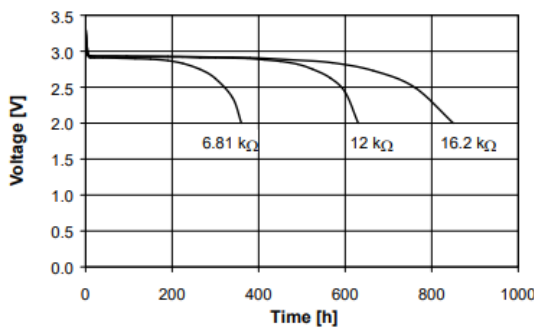
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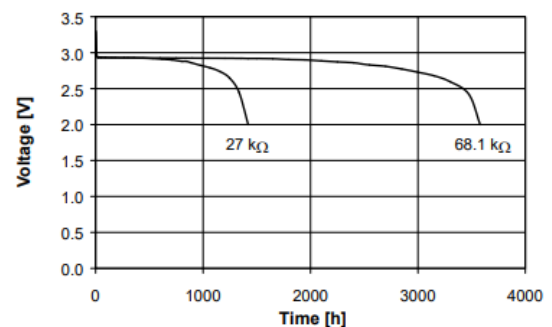


Performance

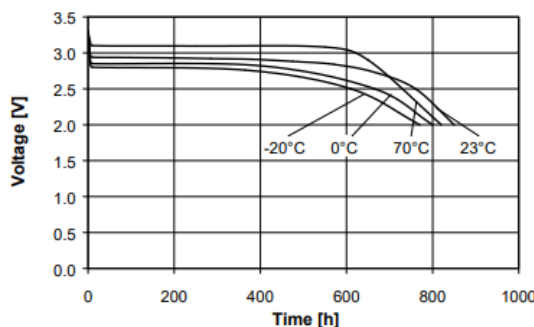
Discharge performance at 23°C



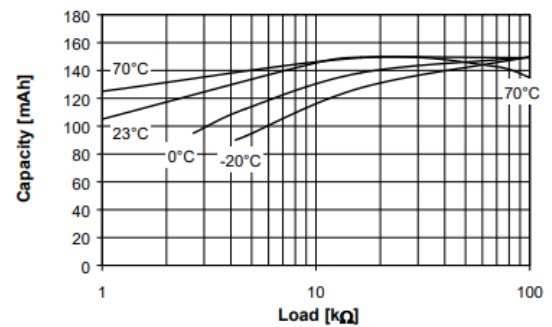
Discharge performance at 23°C



Temperature performance Load 16.2kΩ



Cell capacity at various loads



*In applications where the battery is exposed to temperatures above 70 °C, please contact Renata for consultancy.
** The maximum current is determined for a yield of 70% of the nominal capacity with a cut-off voltage of 2.0V, at 23°C.

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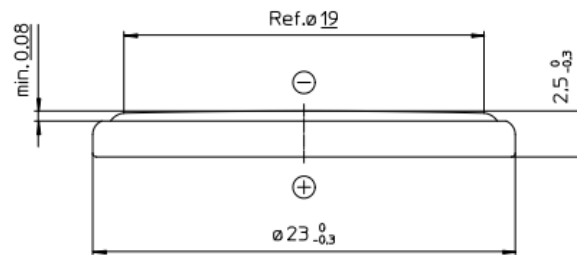
Technical Data Sheet

Specifications

Chemical System	Li / MnO ₂
Nominal Voltage	3 V
Rated Capacity	190 mAh
Standard Discharge Current	0.3 mA
Max. Cont. Discharge Current**	3.0 mA
Average Weight	~ 3.0 g
Operating Temperature*	-40 - +85 °C
Self Discharge at 23°C	< 1% / year

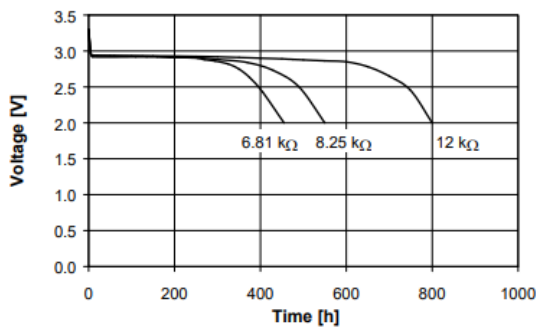
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(According to IEC 60086)

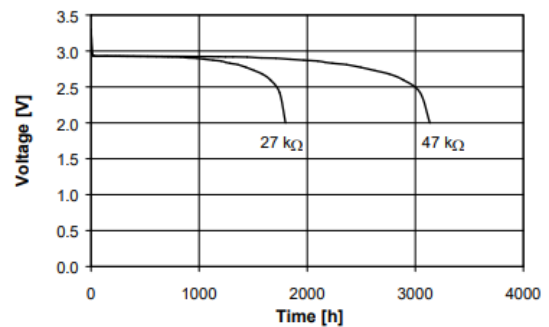


Performance

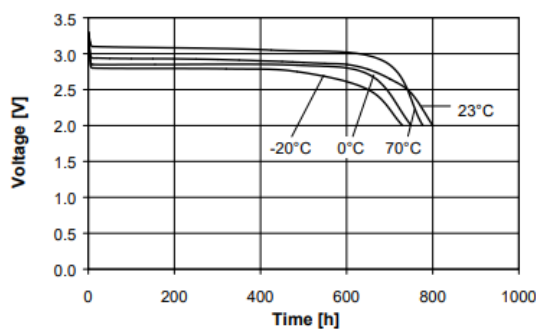
Discharge performance at 23°C



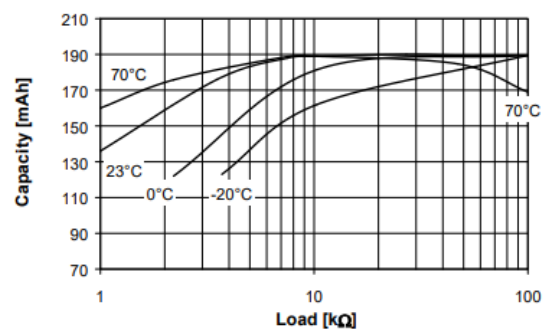
Discharge performance at 23°C



Temperature performance Load 12kΩ



Cell capacity at various loads



*In applications where the battery is exposed to temperatures above 70 °C, please contact Renata for consultancy.
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CR2430

3V Lithium Battery OEM
Swiss Made

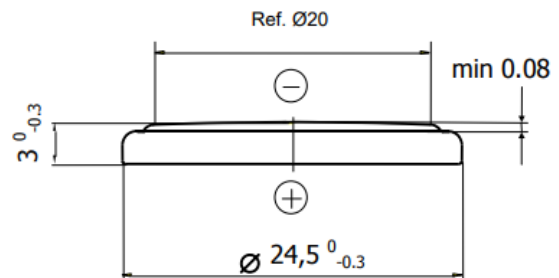
Technical Data Sheet

Specifications

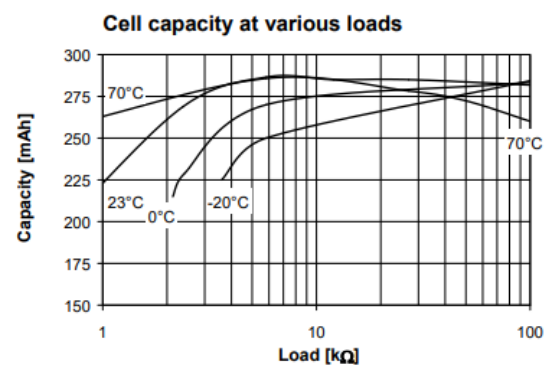
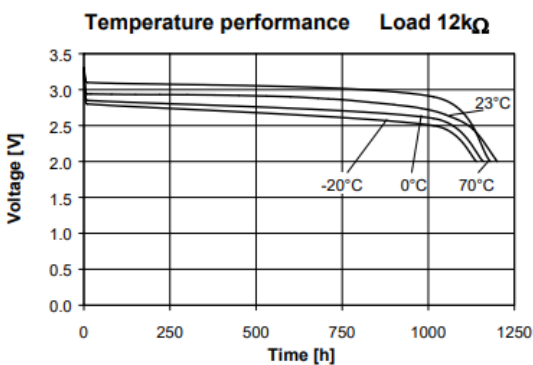
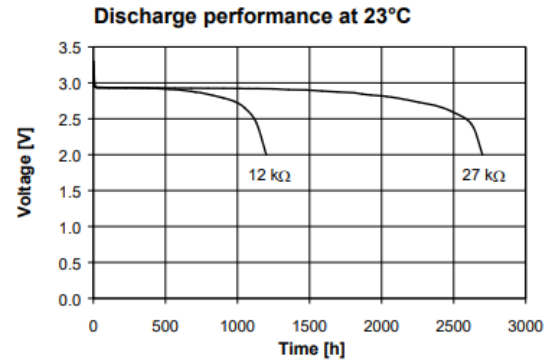
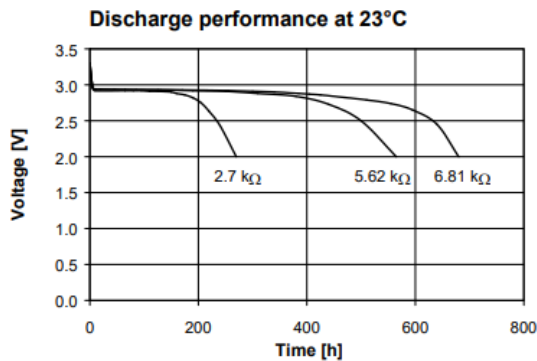
Chemical System	Li / MnO ₂
Nominal Voltage	3 V
Rated Capacity	285 mAh
Standard Discharge Current	0.5 mA
Max. Cont. Discharge Current**	4.0 mA
Average Weight	~ 4.1 g
Operating Temperature*	-40 - +85 °C
Self Discharge at 23°C	< 1% / year

Dimensions

(According to IEC 60086)



Performance



*In applications where the battery is exposed to temperatures above 70 °C, please contact Renata for consultancy.
** The maximum current is determined for a yield of 70% of the nominal capacity with a cut-off voltage of 2.0V, at 23°C.

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CR2450N

3V Lithium Battery
Swiss Made

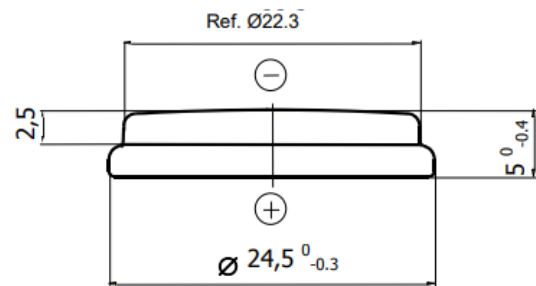
Technical Data Sheet

Specifications

Chemical System	Li / MnO ₂
Nominal Voltage	3 V
Rated Capacity	540 mAh
Standard Discharge Current	0,8 mA
Max. Cont. Discharge Current**	3,0 mA
Average Weight	~ 5,9 g
Temperature Range	-40 - +85 °C
Self Discharge at 23°C	< 1% / year

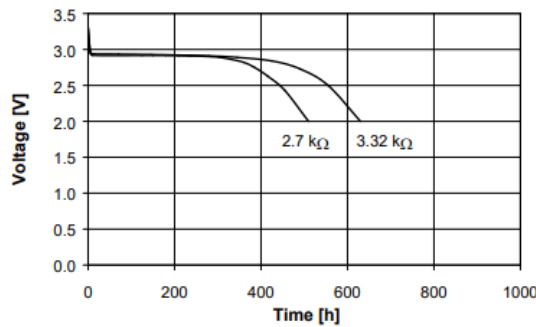
Dimensions

(According to IEC 60086)

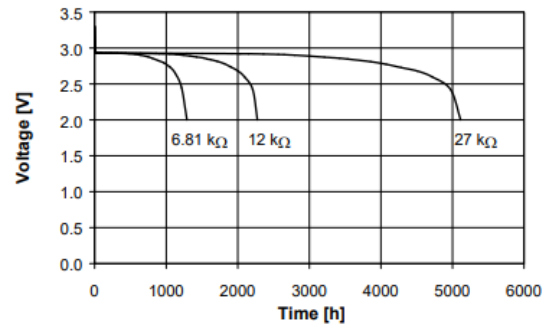


Performance

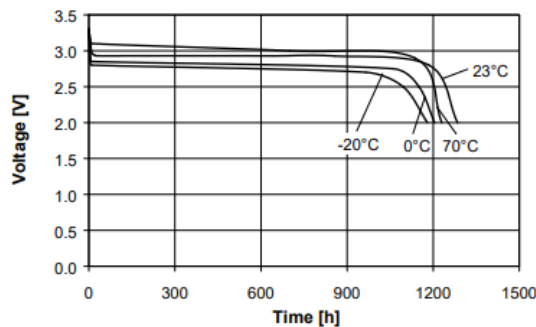
Discharge performance at 23°C



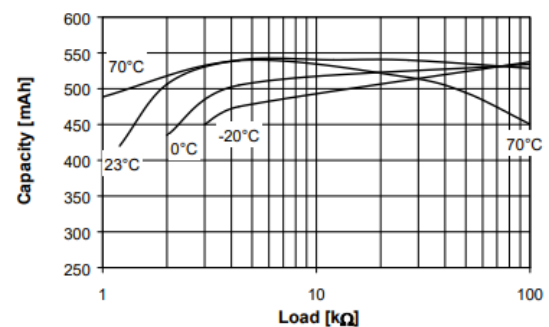
Discharge performance at 23°C



Temperature performance Load 6.81kΩ



Cell capacity at various loads



*In applications where the battery is exposed to temperatures above 70 °C, please contact Renata for consultancy.
** The maximum current is determined for a yield of 70% of the nominal capacity with a cut-off voltage of 2.0V, at 23°C.

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CR2477N

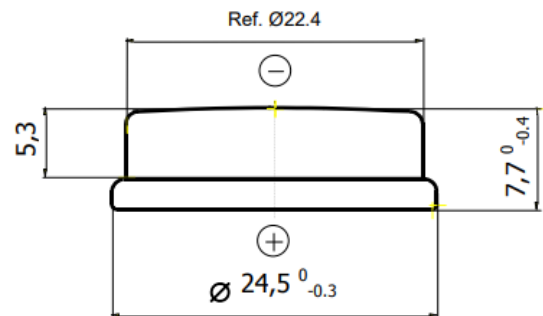
3V Lithium Battery
Swiss Made

Technical Data Sheet

Specifications

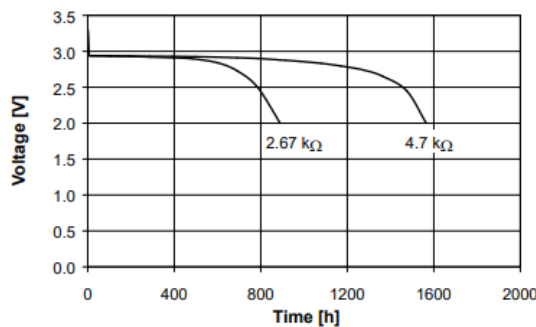
Chemical System	Li / MnO ₂
Nominal Voltage	3 V
Rated Capacity	950 mAh
Standard Discharge Current	1.0 mA
Max. Cont. Discharge Current**	2.5 mA
Average Weight	~ 8.3 g
Operating Temperature*	-40 - +85 °C
Self Discharge at 23°C	< 1% / year

Dimensions

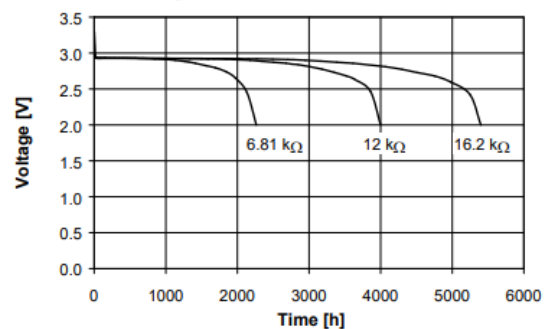


Performance

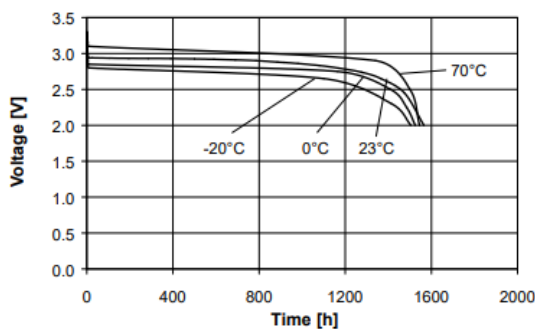
Discharge performance at 23°C



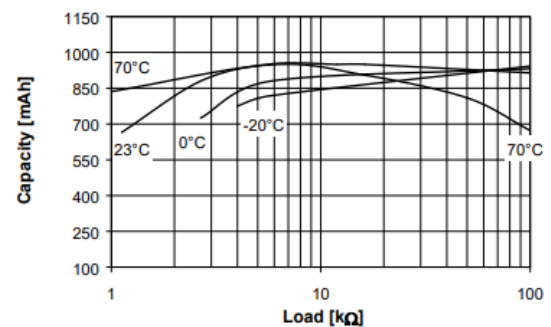
Discharge performance at 23°C



Temperature performance Load 4.7kΩ



Cell capacity at various loads



*In applications where the battery is exposed to temperatures above 70 °C, please contact Renata for consultancy.

** The maximum current is determined for a yield of 70% of the nominal capacity with a cut-off voltage of 2.0V, at 23°C.

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CR2016 MFR

3V Lithium Battery

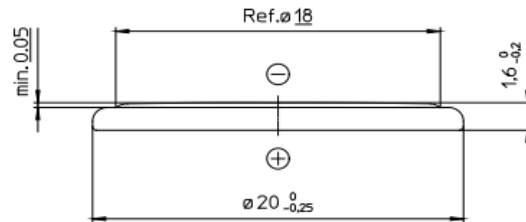
Technical Data Sheet

Specifications

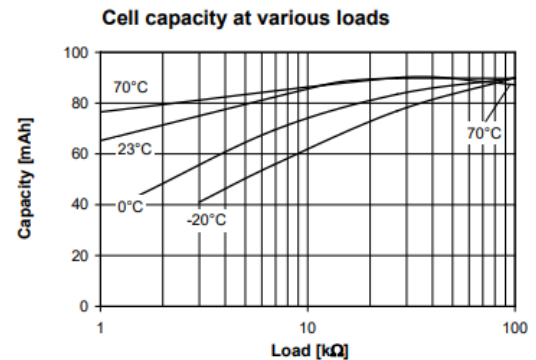
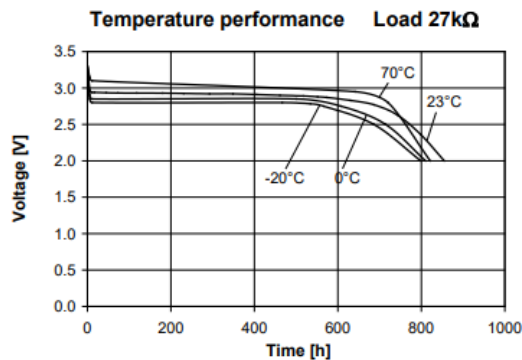
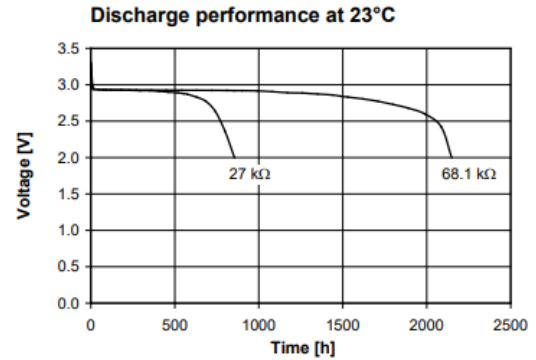
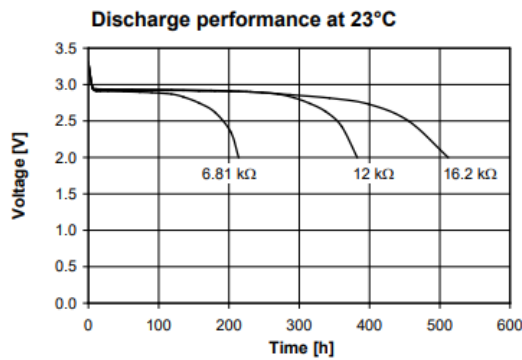
Chemical System	Li / MnO ₂
Nominal Voltage	3 V
Rated Capacity	90 mAh
Standard Discharge Current	0.2 mA
Max. Cont. Discharge Current**	3.0 mA
Average Weight	~ 1.7 g
Temperature Range	-30 - +85 °C *
Self Discharge at 23°C	< 1% / year

Dimensions

(According to IEC 60086)



Performance



*In applications where the battery is exposed to temperatures above 60 °C, please contact Renata for consultancy.
**Average discharge current for a yield of 70% of the nominal capacity with cut-off voltage of 2.0V at 23°C.

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CR2025 MFR

3V Lithium Battery

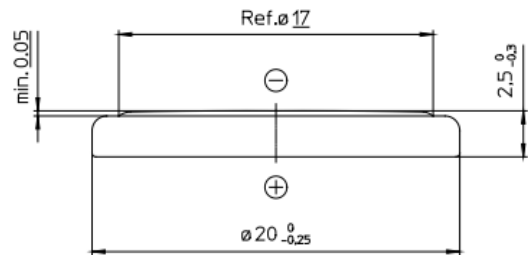
Technical Data Sheet

Specifications

Chemical System	Li / MnO ₂
Nominal Voltage	3 V
Rated Capacity	165 mAh
Standard Discharge Current	0.3 mA
Max. Cont. Discharge Current**	3.0 mA
Average Weight	~ 2.5 g
Temperature Range	-30 - +85 °C *
Self Discharge at 23°C	< 1% / year

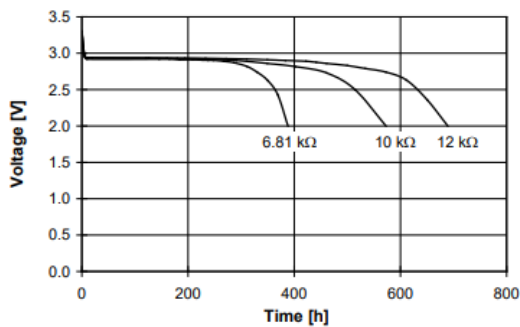
Dimensions

(According to IEC 60086)

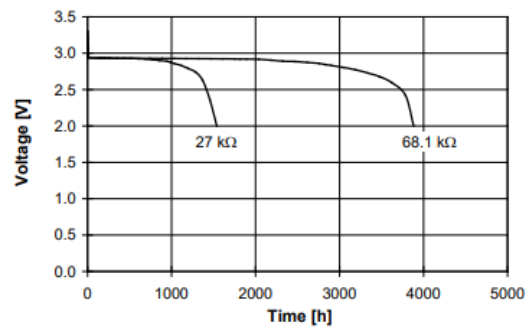


Performance

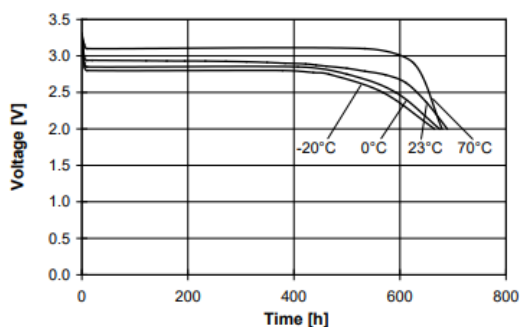
Discharge performance at 23°C



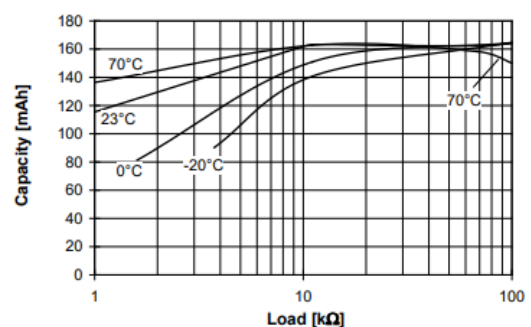
Discharge performance at 23°C



Temperature performance Load 12kΩ



Cell capacity at various loads



*In applications where the battery is exposed to temperatures above 60 °C, please contact Renata for consultancy.
**Average discharge current for a yield of 70% of the nominal capacity with cut-off voltage of 2.0V at 23°C.

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CR2032 MFR

3V Lithium Battery

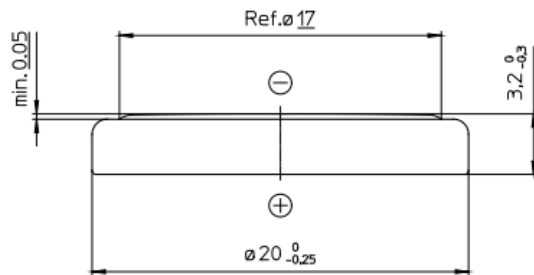
Technical Data Sheet

Specifications

Chemical System	Li / MnO ₂
Nominal Voltage	3 V
Rated Capacity	225 mAh
Standard Discharge Current	0.4 mA
Max. Cont. Discharge Current**	3.0 mA
Average Weight	~ 2.8 g
Temperature Range*	-30 - +85 °C *
Self Discharge at 23°C	< 1% / year

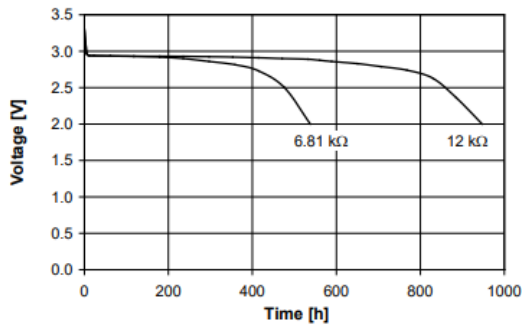
Dimensions

(According to IEC 60086)

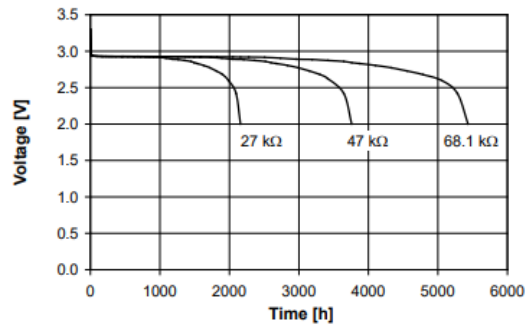


Performance

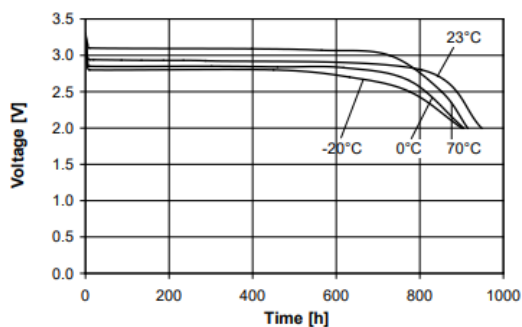
Discharge performance at 23°C



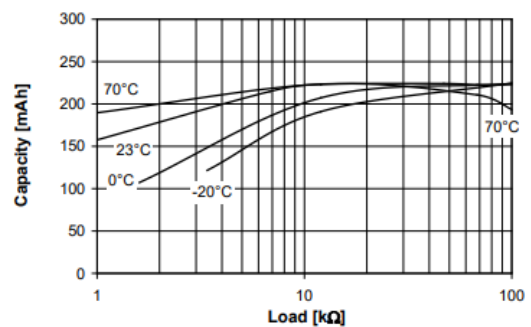
Discharge performance at 23°C



Temperature performance Load 12kΩ



Cell capacity at various loads



*In applications where the battery is exposed to temperatures above 60 °C, please contact Renata for consultancy.
**Average discharge current for a yield of 70% of the nominal capacity with cut-off voltage of 2.0V at 23°C.

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