Panasonic Industrial

C (LR14XWA)

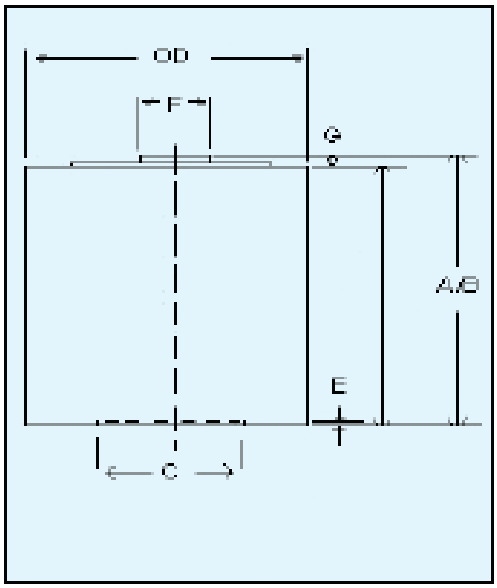
Part Number: LR14XWA

(Replaces Panasonic part number AM-2PI)

Alkaline-Zinc/Manganese Dioxide

Industry Standard Dimensions mm (inches)

Dimensions Comply with ANSI and IEC Standards



Dimensions	Millimeters	Inches
A Max	50.0	1.696
B Min	48.5	1.909
C Min	13.0	0.512
E Max	0.9	0.035
F Max	7.5	0.295
G Min	1.5	0.059
OD Max	26.2	1.031
OD Min	24.9	0.98

Specifications

Chemical System:	Alkaline-Zinc/Manganese Dioxide (Zn/MnO2)
Designation:	ANSI-14A, IEC-LR14
Nominal Voltage:	1.5V
Operating Temperature Range:	-20°C to 54°C (-4°F to 130°F)
Typical Weight:	70 grams (2.47 oz.)
Typical Volume:	26.9 cm^3 (1.6 $in.^3$)
Terminals:	Flat (Recessed Negative)
Shelf Life:	7 years (80% Capacity)
Heavy Metals Content:	No added Mercury, Cadmium or Lead

Batteries for every application and industry including:

- Medical
- Communications
- Contractors
- Manufacturing
- Hotel/Motel/Restaurant
- Government/Municipality
- Janitorial/Sanitation
- Military/Defense
- Transportation
- HVAC
- Power Plants
- Security

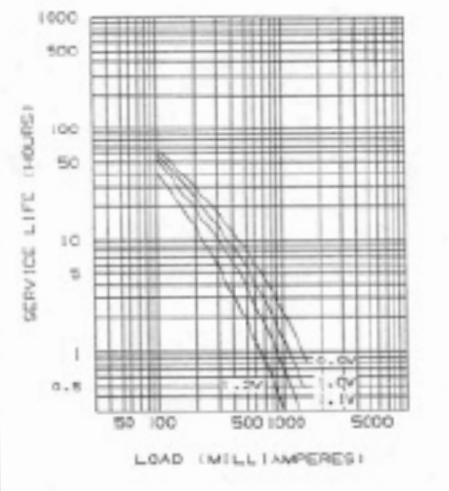
Important Notice: This data sheet contains typical information specific to products manufactured at the time of its publication.

Photos represent typical industrial applications but may or may not match the battery size on this data sheet.

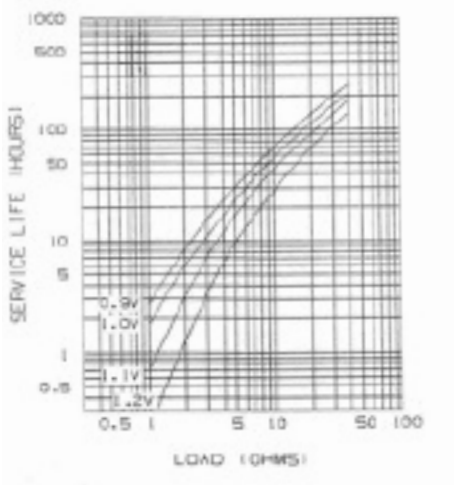
Part Number: LR14XWA (Replaces Panasonic part number AM-2PI)

Alkaline-Zinc/Manganese Dioxide

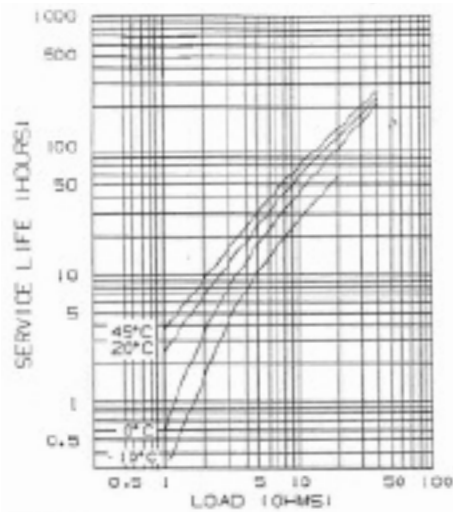
Typical Discharge Characteristics with Constant Current at 20°C



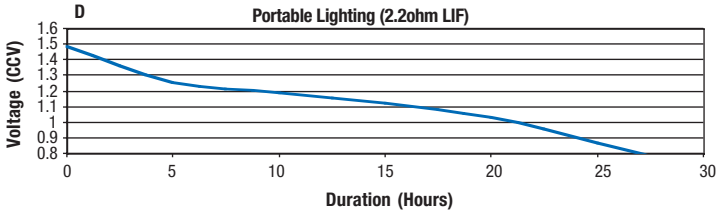
Typical Discharge Characteristics with Constant Resistance at 20°C

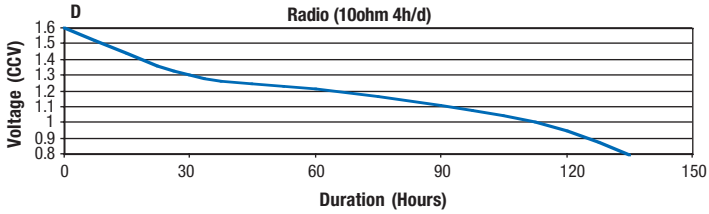


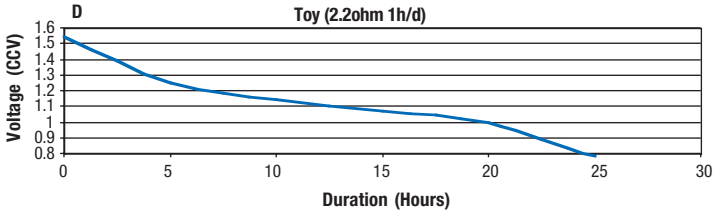
Typical Temperature Characteristics 0.9 Volts Cutoff Voltage

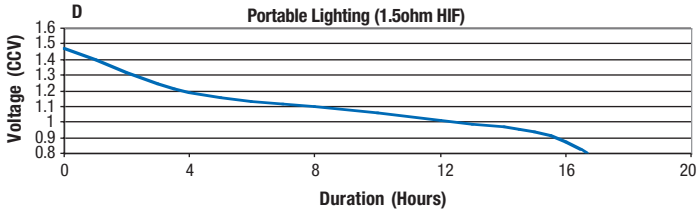


IEC/ANSI Standard Tests @ 20°C









This information is generally typical and is not intended to make or imply any representation, guarantee or warranty with respect to any cells and batteries. Cell and battery designs/specifications are subject to modification without notice. Cell/battery performance and service life depends on the operating temperature, cut-off voltage and load applied to cell/battery in a specific application. It is the responsibility of each user to ensure that each cell/battery application is adequately designed safe and compatible with all conditions encountered during use and in conformance with existing standards and requirements. Contact Panasonic for the latest information.

©2009 Panasonic Energy Corporation of America. All rights reserved. All reproductions prohibited without proper authorization.
Characteristics and specifications subject to change without prior notification.

Panasonic
ideas for life

Panasonic Energy Corporation of America
www.panasonic.com/industrial/battery/industrial
e-mail: batteries@us.panasonic.com

Panasonic Canada Inc.
www.panasonic.ca
e-mail: ind_batteries@ca.panasonic.com

Panasonic Industrial

AAA (LR03XWA)

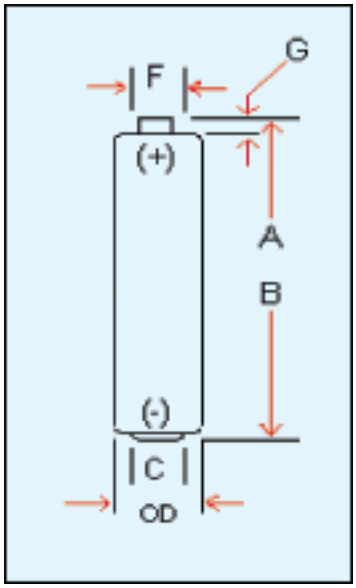
Part Number: LR03XWA

(Replaces Panasonic part number AM-4PI)

Alkaline-Zinc/Manganese Dioxide

Industry Standard Dimensions mm (inches)

Dimensions Comply with ANSI and IEC Standards



Dimensions	Millimeters	Inches
A Max	44.5	1.752
B Min	43.5	1.713
C Min	4.3	0.169
F Max	3.8	0.150
G Min	0.8	0.031
OD Max	10.5	0.413
OD Min	9.5	0.374

Specifications

Chemical System:	Alkaline-Zinc/Manganese Dioxide (Zn/MnO2)
Designation:	ANSI-24A, IEC-LR03
Nominal Voltage:	1.5V
Operating Temperature Range:	-20°C to 54°C (-4°F to 130°F)
Typical Weight:	11.0 grams (0.38 oz.)
Typical Volume:	3.8 cm^3 (0.2 $in.^3$)
Terminals:	Cap and base
Shelf Life:	7 years (80% Capacity)
Heavy Metals Content:	No added Mercury, Cadmium or Lead

Batteries for every application and industry including:

- Medical
- Communications
- Contractors
- Manufacturing
- Hotel/Motel/Restaurant
- Government/Municipality
- Janitorial/Sanitation
- Military/Defense
- Transportation
- HVAC
- Power Plants
- Security

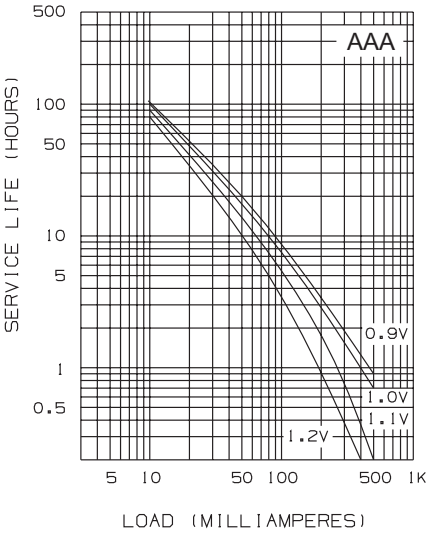
Important Notice: This data sheet contains typical information specific to products manufactured at the time of its publication.

Photos represent typical industrial applications but may or may not match the battery size on this data sheet.

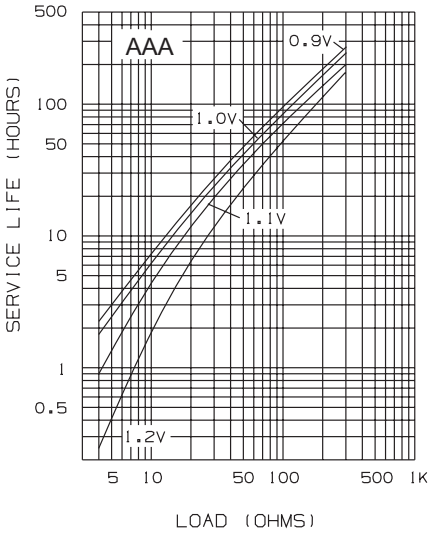
Part Number: LR03XWA (Replaces Panasonic part number AM-4PI)

Alkaline-Zinc/Manganese Dioxide

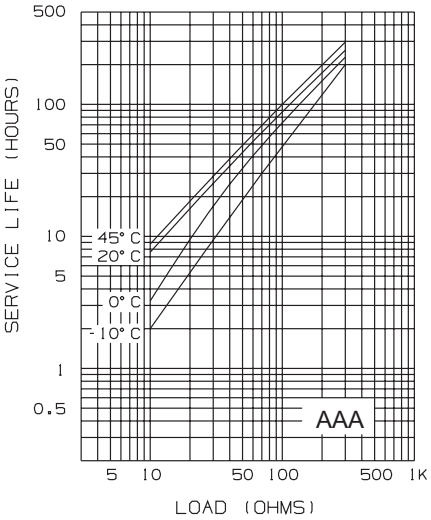
Typical Discharge Characteristics with Constant Current at 20°C



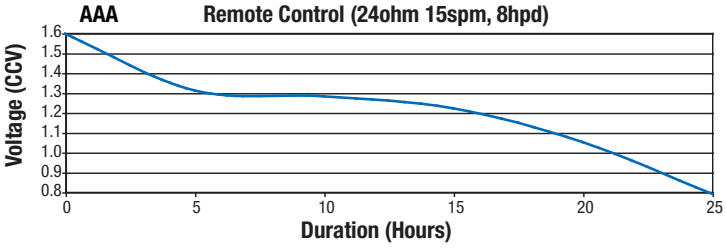
Typical Discharge Characteristics with Constant Resistance at 20°C

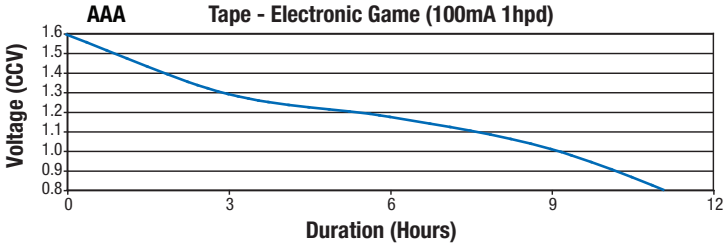


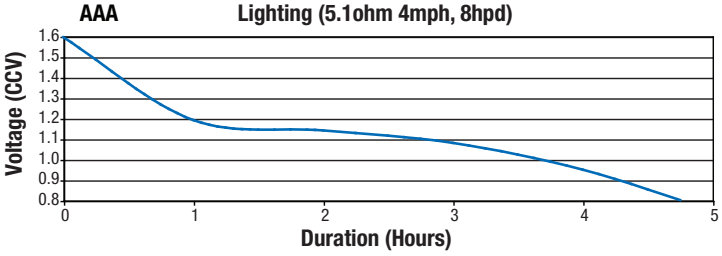
Typical Temperature Characteristics 0.9 Volts Cutoff Voltage

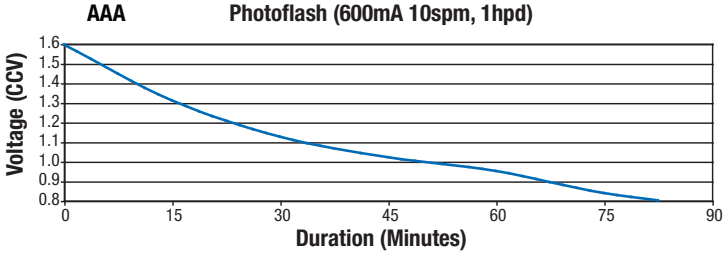


IEC/ANSI Standard Tests @ 20°C









This information is generally typical and is not intended to make or imply any representation, guarantee or warranty with respect to any cells and batteries. Cell and battery designs/specifications are subject to modification without notice. Cell/battery performance and service life depends on the operating temperature, cut-off voltage and load applied to cell/battery in a specific application. It is the responsibility of each user to ensure that each cell/battery application is adequately designed safe and compatible with all conditions encountered during use and in conformance with existing standards and requirements. Contact Panasonic for the latest information.

©2009 Panasonic Energy Corporation of America. All rights reserved. All reproductions prohibited without proper authorization.
Characteristics and specifications subject to change without prior notification.

Panasonic
ideas for life

Panasonic Energy Corporation of America
www.panasonic.com/industrial/battery/industrial
e-mail: batteries@us.panasonic.com

Panasonic Canada Inc.
www.panasonic.ca
e-mail: ind_batteries@ca.panasonic.com

Panasonic Industrial

D (LR20XWA)

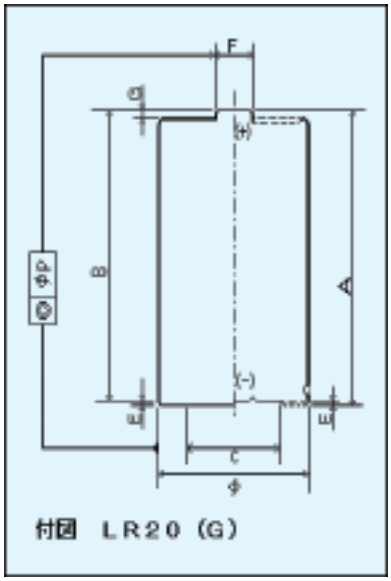
Part Number: LR20XWA

(Replaces Panasonic part number AM-1PI)

Alkaline-Zinc/Manganese Dioxide

Industry Standard Dimensions mm (inches)

Dimensions Comply with ANSI and IEC Standards



	Max. inch	Min. inch
A	2.421	–
B	–	2.343
C	–	.709
E	.039	–
F	.374	–
G	–	.059
ϕ	1.346	1.272
ϕP	0.25	–

Specifications

Chemical System:	Alkaline-Zinc/Manganese Dioxide (Zn/MnO2)
Designation:	ANSI-13A, IEC-LR20
Nominal Voltage:	1.5V
Operating Temperature Range:	-20°C to 54°C (-4°F to 130°F)
Typical Weight:	141 grams (4.97 oz.)
Typical Volume:	55.9 cm^3 (3.4 $in.^3$)
Terminals:	Flat (Recessed Negative)
Shelf Life:	7 years (80% Capacity)
Heavy Metals Content:	No added Mercury, Cadmium or Lead

Batteries for every application and industry including:

- Medical
- Communications
- Contractors
- Manufacturing
- Hotel/Motel/Restaurant
- Government/Municipality
- Janitorial/Sanitation
- Military/Defense
- Transportation
- HVAC
- Power Plants
- Security

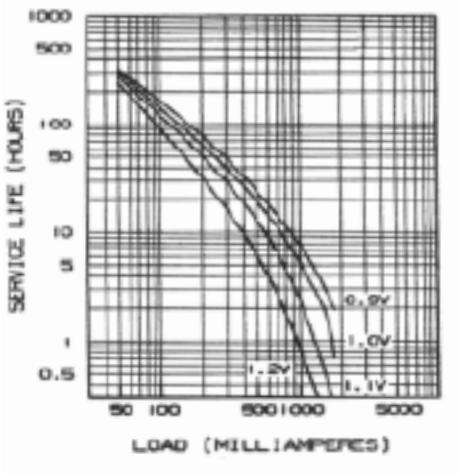
Important Notice: This data sheet contains typical information specific to products manufactured at the time of its publication.

Photos represent typical industrial applications but may or may not match the battery size on this data sheet.

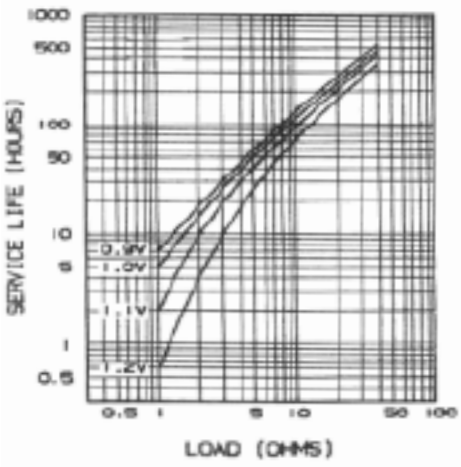
Part Number: LR20XWA (Replaces Panasonic part number AM-1PI)

Alkaline-Zinc/Manganese Dioxide

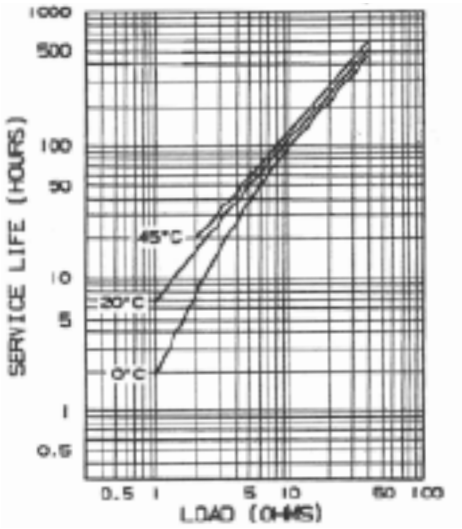
Typical Discharge Characteristics with Constant Current at 20°C



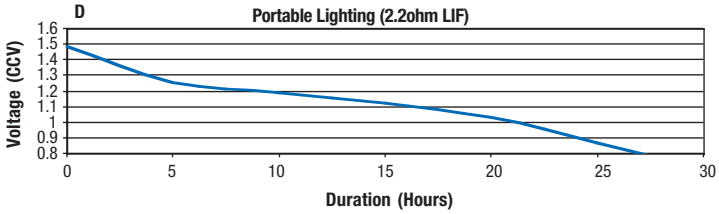
Typical Discharge Characteristics with Constant Resistance at 20°C

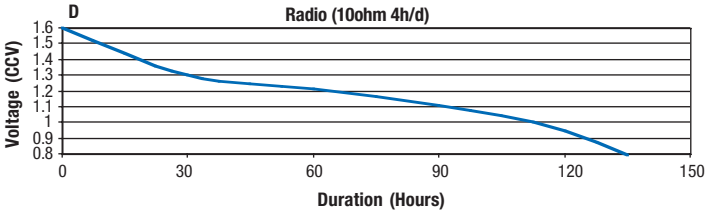


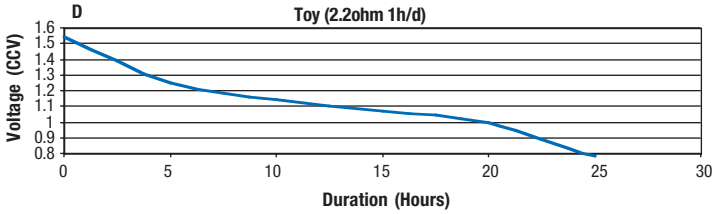
Typical Temperature Characteristics 0.9 Volts Cutoff Voltage

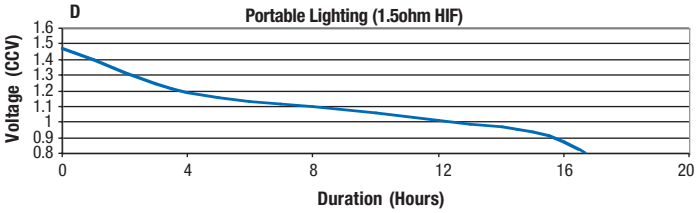


IEC/ANSI Standard Tests @ 20°C









This information is generally typical and is not intended to make or imply any representation, guarantee or warranty with respect to any cells and batteries. Cell and battery designs/specifications are subject to modification without notice. Cell/battery performance and service life depends on the operating temperature, cut-off voltage and load applied to cell/battery in a specific application. It is the responsibility of each user to ensure that each cell/battery application is adequately designed safe and compatible with all conditions encountered during use and in conformance with existing standards and requirements. Contact Panasonic for the latest information.

©2009 Panasonic Energy Corporation of America. All rights reserved. All reproductions prohibited without proper authorization.
Characteristics and specifications subject to change without prior notification.

Panasonic
ideas for life

Panasonic Energy Corporation of America
www.panasonic.com/industrial/battery/industrial
e-mail: batteries@us.panasonic.com

Panasonic Canada Inc.
www.panasonic.ca
e-mail: ind_batteries@ca.panasonic.com

Panasonic Industrial

AA (LR6XWA)

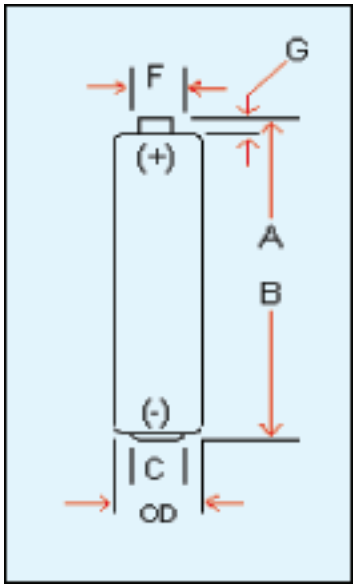
Part Number: LR6XWA

(Replaces Panasonic part number AM-3PI)

Alkaline-Zinc/Manganese Dioxide

Industry Standard Dimensions mm (inches)

Dimensions Comply with ANSI and IEC Standards



Dimensions	Millimeters	Inches
A Max	50.5	1.988
B Min	49.5	1.949
C Min	7.0	0.276
F Max	5.5	0.217
G Min	1.0	0.039
OD Max	14.5	0.571
OD Min	13.5	0.531

Specifications

Chemical System:	Alkaline-Zinc/Manganese Dioxide (Zn/MnO2)
Designation:	ANSI-15A, IEC-LR6
Nominal Voltage:	1.5V
Operating Temperature Range:	-20°C to 54°C (-4°F to 130°F)
Typical Weight:	23 grams (0.8 oz.)
Typical Volume:	8.1 cm^3 (0.5 $in.^3$)
Terminals:	Cap and base
Shelf Life:	7 years (80% Capacity)
Heavy Metals Content:	No added Mercury, Cadmium or Lead

Batteries for every application and industry including:

- Medical
- Communications
- Contractors
- Manufacturing
- Hotel/Motel/Restaurant
- Government/Municipality
- Janitorial/Sanitation
- Military/Defense
- Transportation
- HVAC
- Power Plants
- Security

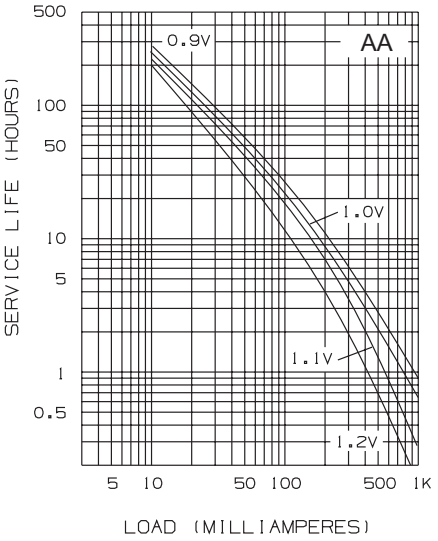
Important Notice: This data sheet contains typical information specific to products manufactured at the time of its publication.

Photos represent typical industrial applications but may or may not match the battery size on this data sheet.

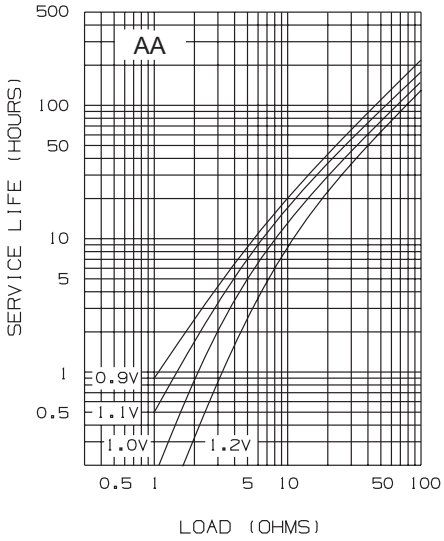
Part Number: LR6XWA (Replaces Panasonic part number AM-3PI)

Alkaline-Zinc/Manganese Dioxide

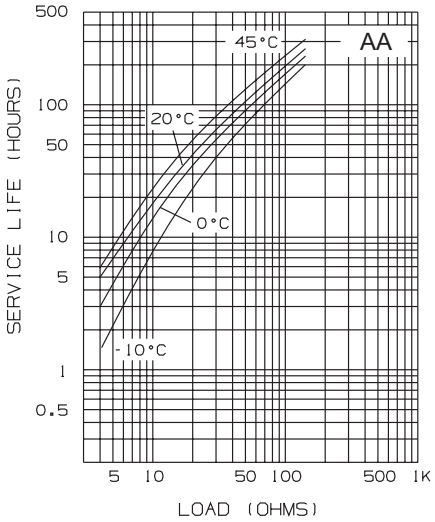
Typical Discharge Characteristics with Constant Current at 20°C



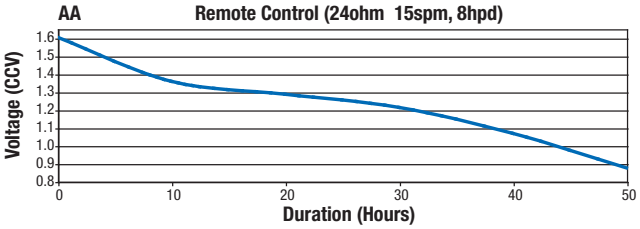
Typical Discharge Characteristics with Constant Resistance at 20°C

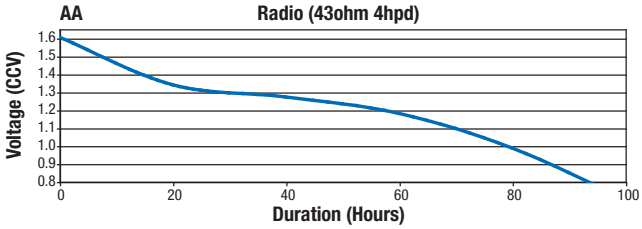


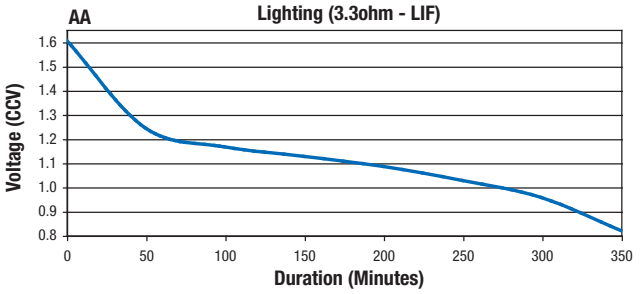
Typical Temperature Characteristics 0.9 Volts Cutoff Voltage

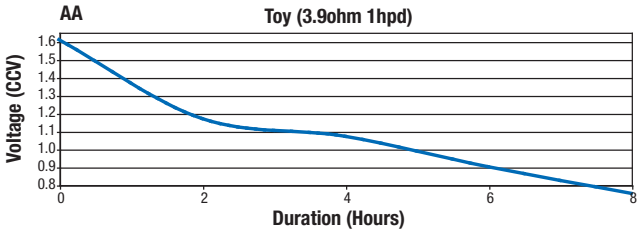


IEC/ANSI Standard Tests @ 20°C









This information is generally typical and is not intended to make or imply any representation, guarantee or warranty with respect to any cells and batteries. Cell and battery designs/specifications are subject to modification without notice. Cell/battery performance and service life depends on the operating temperature, cut-off voltage and load applied to cell/battery in a specific application. It is the responsibility of each user to ensure that each cell/battery application is adequately designed safe and compatible with all conditions encountered during use and in conformance with existing standards and requirements. Contact Panasonic for the latest information.

©2009 Panasonic Energy Corporation of America. All rights reserved. All reproductions prohibited without proper authorization.
Characteristics and specifications subject to change without prior notification.

Panasonic
ideas for life

Panasonic Energy Corporation of America
www.panasonic.com/industrial/battery/industrial
e-mail: batteries@us.panasonic.com

Panasonic Canada Inc.
www.panasonic.ca
e-mail: ind_batteries@ca.panasonic.com

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

Наши преимущества:

- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits,General Dynamics и др.);

Помимо этого, одним из направлений компании «ЭлектроПласт» является направление «Источники питания». Мы предлагаем Вам помощь Конструкторского отдела:

- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.

Как с нами связаться

Телефон: 8 (812) 309 58 32 (многоканальный)
Факс: 8 (812) 320-02-42
Электронная почта: org@eplast1.ru
Адрес: 198099, г. Санкт-Петербург, ул. Калинина, дом 2, корпус 4, литера А.