

## Part Number: **LR14XWA**

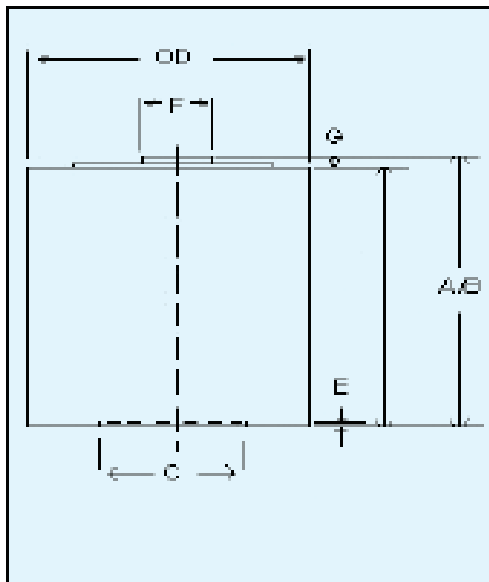
(Replaces Panasonic part number AM-2PI)

## 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

<b>Chemical System:</b>	Alkaline-Zinc/Manganese Dioxide (Zn/MnO <sub>2</sub> )
<b>Designation:</b>	ANSI-14A, IEC-LR14
<b>Nominal Voltage:</b>	1.5V
<b>Operating Temperature Range:</b>	-20°C to 54°C (-4°F to 130°F)
<b>Typical Weight:</b>	70 grams (2.47 oz.)
<b>Typical Volume:</b>	26.9 cm <sup>3</sup> (1.6 in. <sup>3</sup> )
<b>Terminals:</b>	Flat (Recessed Negative)
<b>Shelf Life:</b>	7 years (80% Capacity)
<b>Heavy Metals Content:</b>	No added Mercury, Cadmium or Lead

### Batteries for every application and industry including:

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

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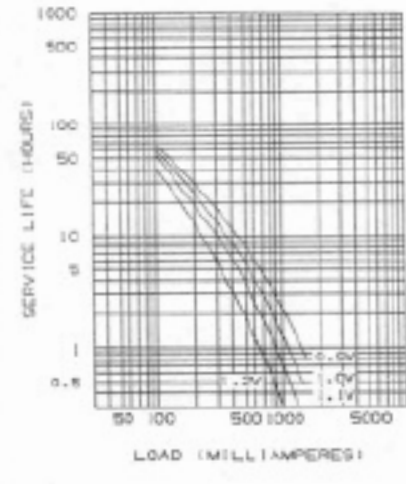


Photos represent typical industrial applications but may or may not match the battery size on this data sheet.

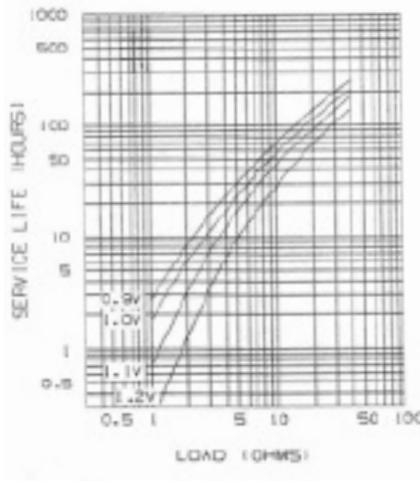
**Part Number: LR14XWA** (Replaces Panasonic part number AM-2PI)

## Alkaline-Zinc/Manganese Dioxide

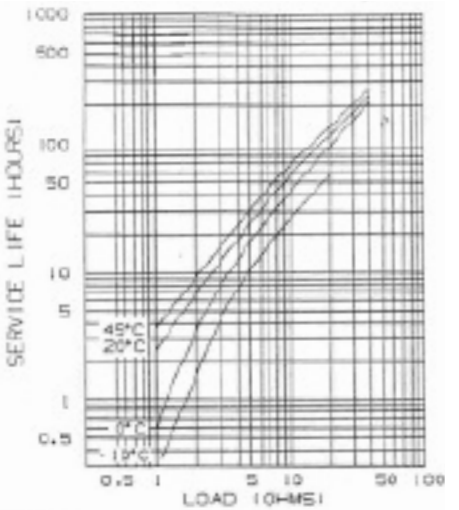
**Typical Discharge Characteristics with Constant Current at 20°C**



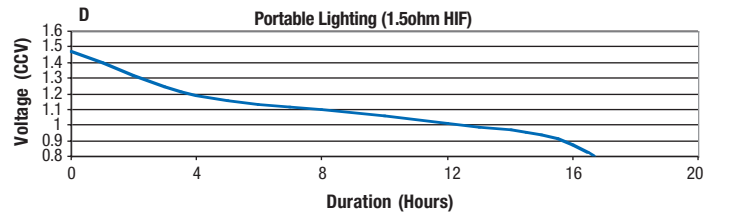
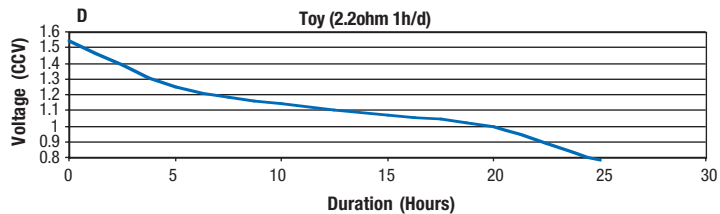
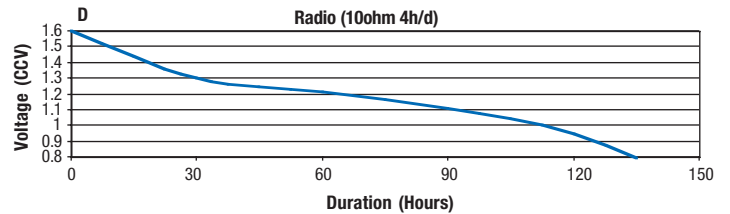
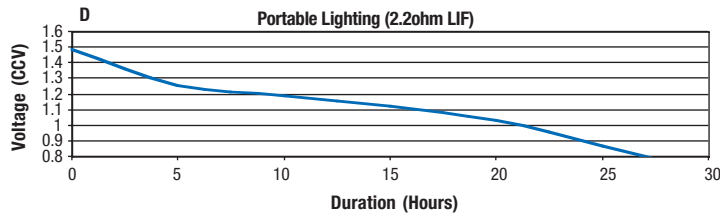
**Typical Discharge Characteristics with Constant Resistance at 20°C**



**Typical Temperature Characteristics 0.9 Volts Cutoff Voltage**



### IEC/ANSI Standard Tests @ 20°C



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# Panasonic

## ideas for life

## Part Number: **LR03XWA**

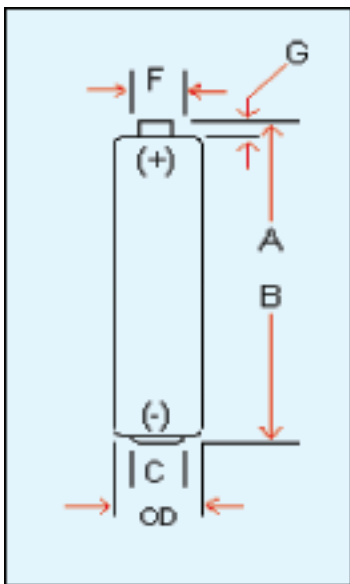
(Replaces Panasonic part number AM-4PI)

## 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

<b>Chemical System:</b>	Alkaline-Zinc/Manganese Dioxide (Zn/MnO <sub>2</sub> )
<b>Designation:</b>	ANSI-24A, IEC-LR03
<b>Nominal Voltage:</b>	1.5V
<b>Operating Temperature Range:</b>	-20°C to 54°C (-4°F to 130°F)
<b>Typical Weight:</b>	11.0 grams (0.38 oz.)
<b>Typical Volume:</b>	3.8 cm <sup>3</sup> (0.2 in. <sup>3</sup> )
<b>Terminals:</b>	Cap and base
<b>Shelf Life:</b>	7 years (80% Capacity)
<b>Heavy Metals Content:</b>	No added Mercury, Cadmium or Lead

### Batteries for every application and industry including:

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

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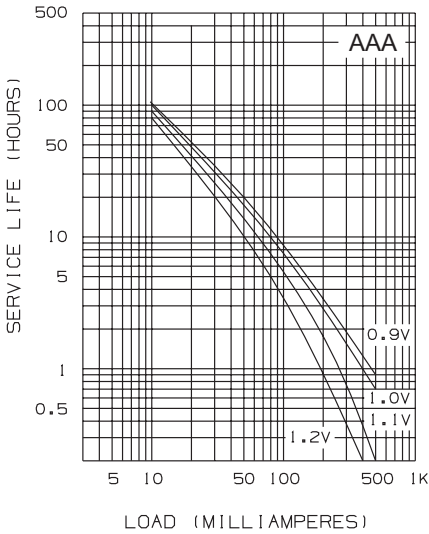


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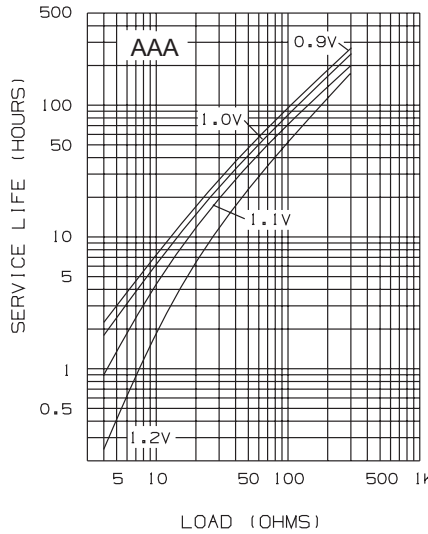
**Part Number: LR03XWA** (Replaces Panasonic part number AM-4PI)

## Alkaline-Zinc/Manganese Dioxide

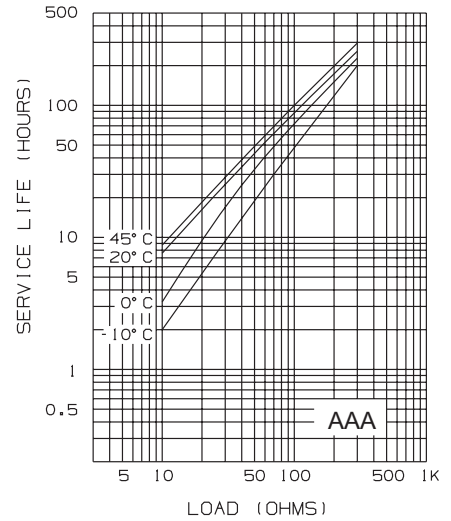
**Typical Discharge Characteristics with Constant Current at 20°C**



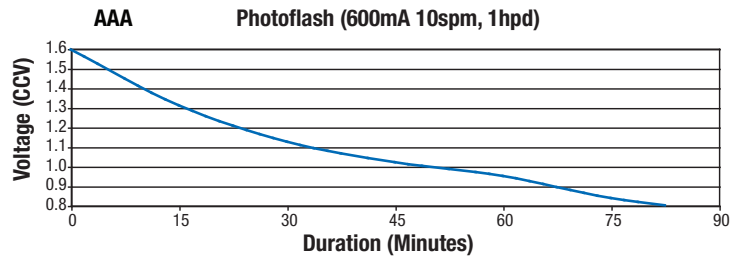
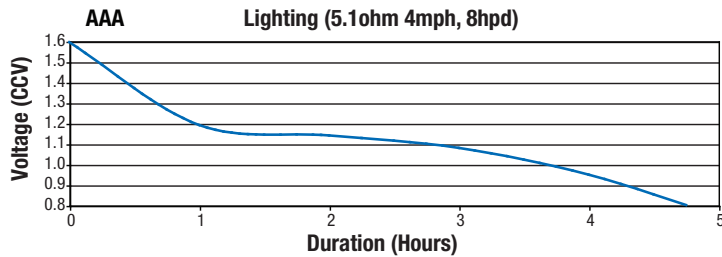
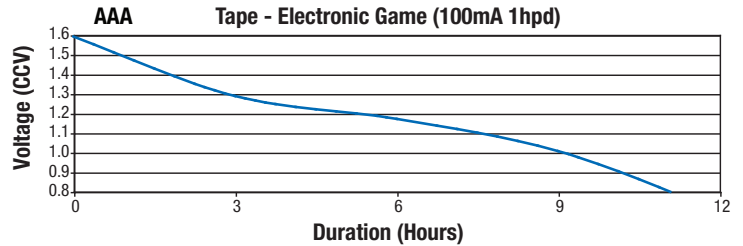
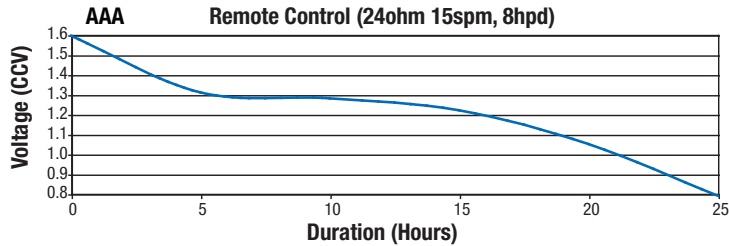
**Typical Discharge Characteristics with Constant Resistance at 20°C**



**Typical Temperature Characteristics 0.9 Volts Cutoff Voltage**



### IEC/ANSI Standard Tests @ 20°C



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# Panasonic

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## Part Number: **LR20XWA**

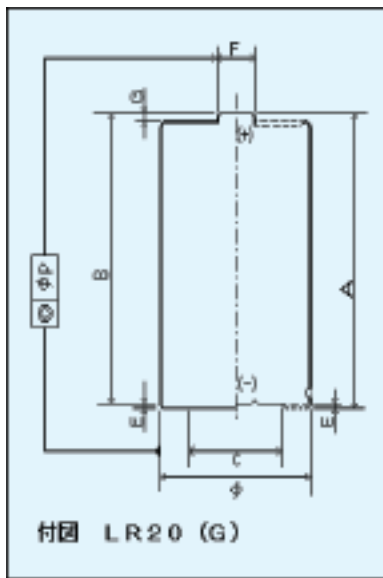
(Replaces Panasonic part number AM-1PI)

## 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
$\phi$	1.346	1.272
$\phi P$	0.25	–

### Specifications

<b>Chemical System:</b>	Alkaline-Zinc/Manganese Dioxide (Zn/MnO <sub>2</sub> )
<b>Designation:</b>	ANSI-13A, IEC-LR20
<b>Nominal Voltage:</b>	1.5V
<b>Operating Temperature Range:</b>	-20°C to 54°C (-4°F to 130°F)
<b>Typical Weight:</b>	141 grams (4.97 oz.)
<b>Typical Volume:</b>	55.9 cm <sup>3</sup> (3.4 in. <sup>3</sup> )
<b>Terminals:</b>	Flat (Recessed Negative)
<b>Shelf Life:</b>	7 years (80% Capacity)
<b>Heavy Metals Content:</b>	No added Mercury, Cadmium or Lead

### Batteries for every application and industry including:

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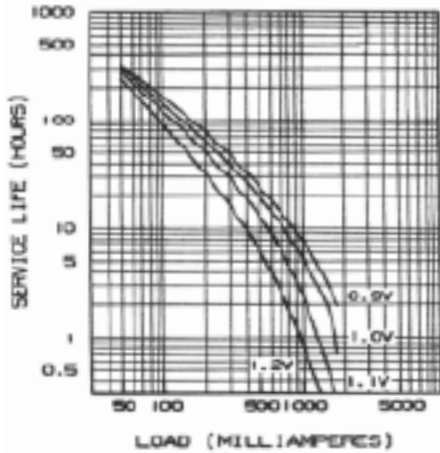


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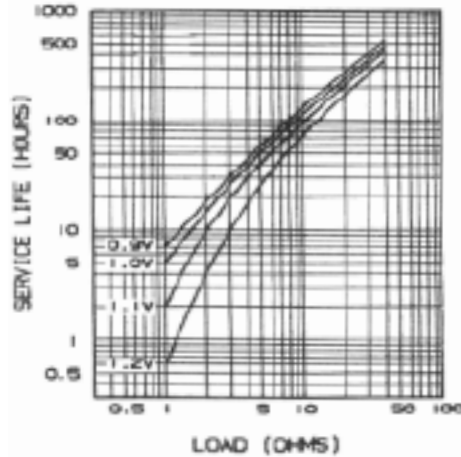
**Part Number: LR20XWA** (Replaces Panasonic part number AM-1PI)

## Alkaline-Zinc/Manganese Dioxide

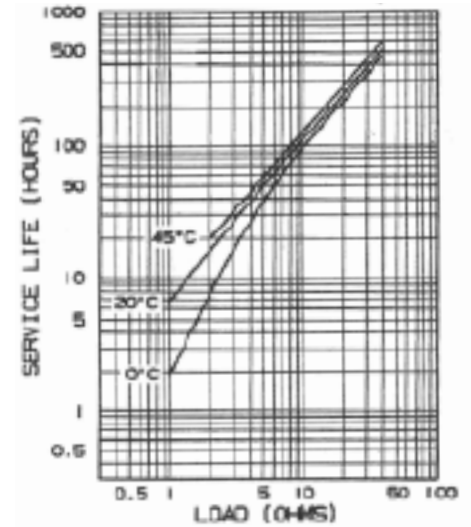
**Typical Discharge Characteristics with Constant Current at 20°C**



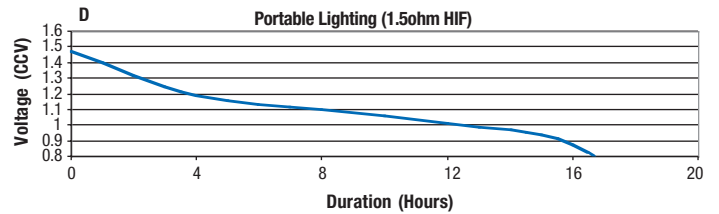
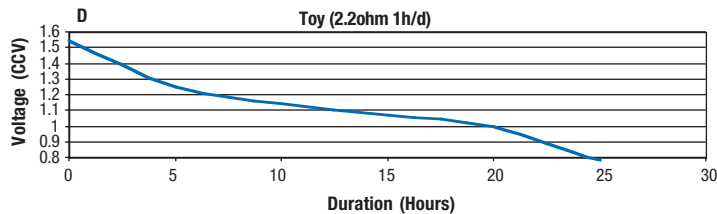
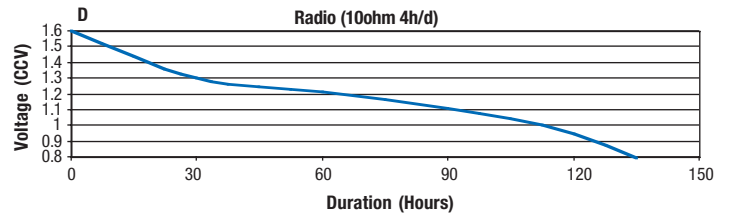
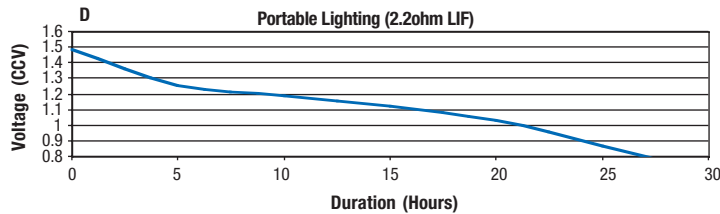
**Typical Discharge Characteristics with Constant Resistance at 20°C**



**Typical Temperature Characteristics 0.9 Volts Cutoff Voltage**



### IEC/ANSI Standard Tests @ 20°C



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# Panasonic

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## Part Number: **LR6XWA**

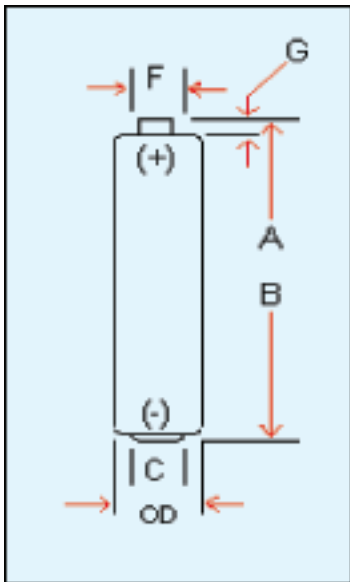
(Replaces Panasonic part number AM-3PI)

## 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

<b>Chemical System:</b>	Alkaline-Zinc/Manganese Dioxide (Zn/MnO <sub>2</sub> )
<b>Designation:</b>	ANSI-15A, IEC-LR6
<b>Nominal Voltage:</b>	1.5V
<b>Operating Temperature Range:</b>	-20°C to 54°C (-4°F to 130°F)
<b>Typical Weight:</b>	23 grams (0.8 oz.)
<b>Typical Volume:</b>	8.1 cm <sup>3</sup> (0.5 in. <sup>3</sup> )
<b>Terminals:</b>	Cap and base
<b>Shelf Life:</b>	7 years (80% Capacity)
<b>Heavy Metals Content:</b>	No added Mercury, Cadmium or Lead

### Batteries for every application and industry including:

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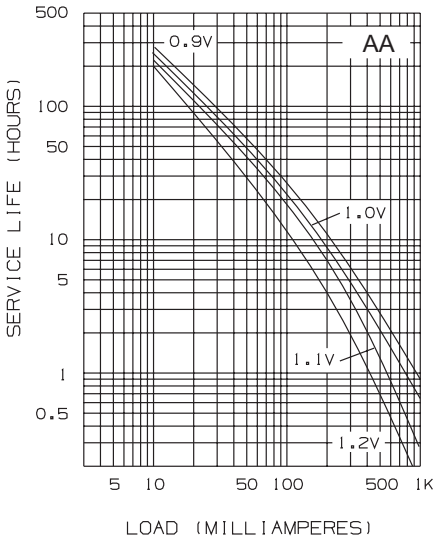


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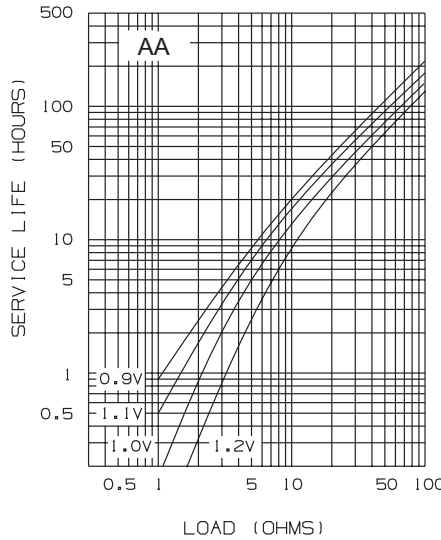
**Part Number: LR6XWA** (Replaces Panasonic part number AM-3PI)

## Alkaline-Zinc/Manganese Dioxide

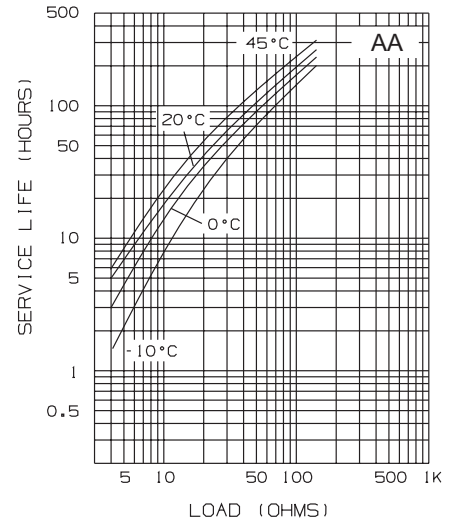
**Typical Discharge Characteristics with Constant Current at 20°C**



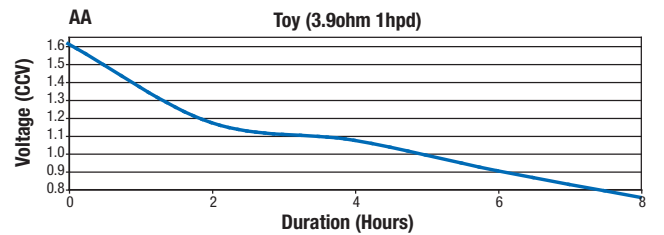
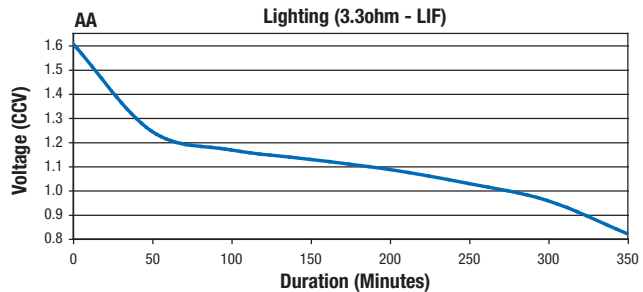
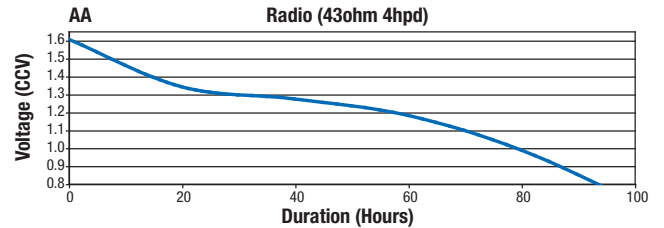
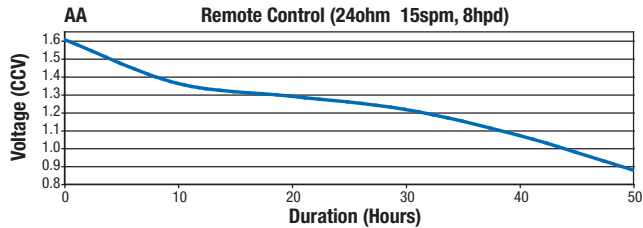
**Typical Discharge Characteristics with Constant Resistance at 20°C**



**Typical Temperature Characteristics 0.9 Volts Cutoff Voltage**



### IEC/ANSI Standard Tests @ 20°C



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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](mailto:org@eplast1.ru)

**Адрес:** 198099, г. Санкт-Петербург, ул. Калинина, дом 2, корпус 4, литера А.