



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



Part Number: **LR14XWA**

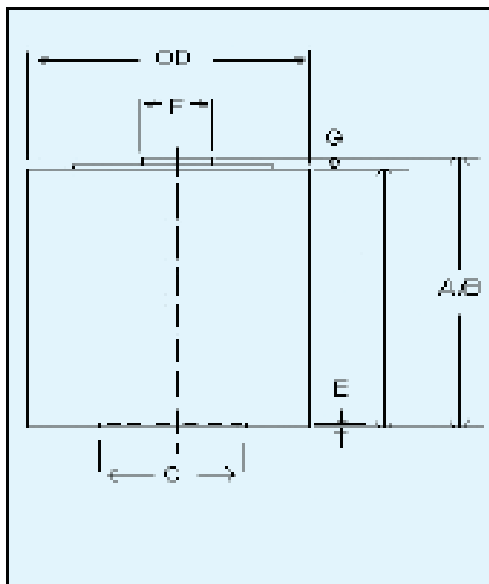
(Replaces Panasonic part number AM-2PI)

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/MnO ₂)
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
- Hotel/Motel/Restaurant
- Transportation
- Communications
- Government/Municipality
- HVAC
- Contractors
- Janitorial/Sanitation
- Power Plants
- Manufacturing
- Military/Defense
- Security

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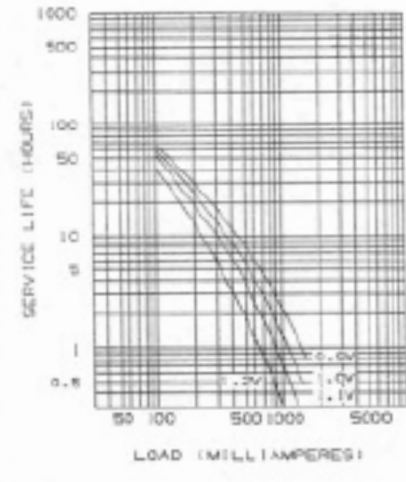


Photos represent typical industrial applications but may or may not match the battery size on this data sheet.

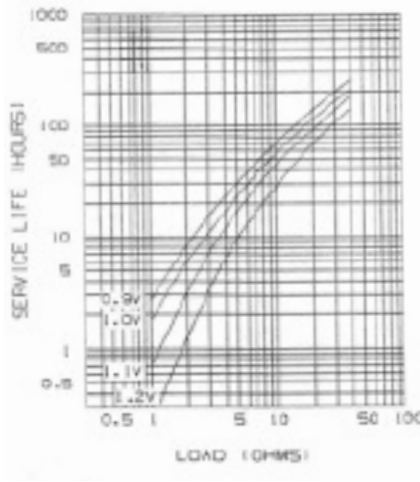
Part Number: LR14XWA (Replaces Panasonic part number AM-2PI)

Alkaline-Zinc/Manganese Dioxide

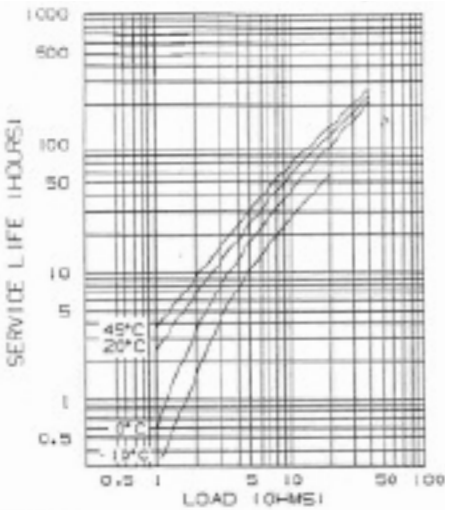
Typical Discharge Characteristics with Constant Current at 20°C



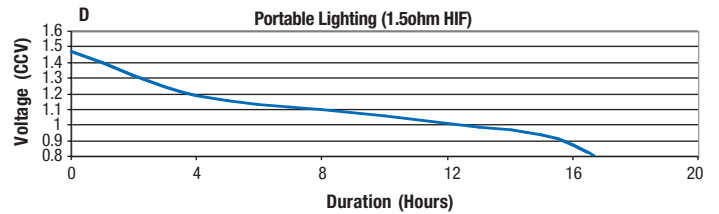
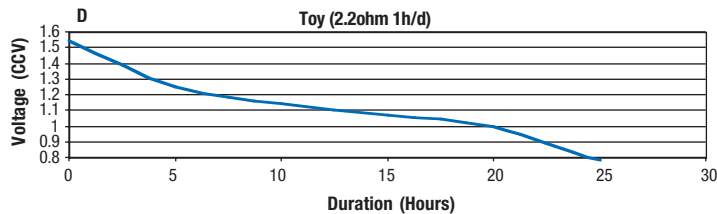
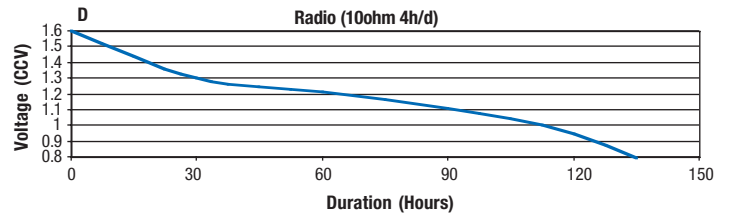
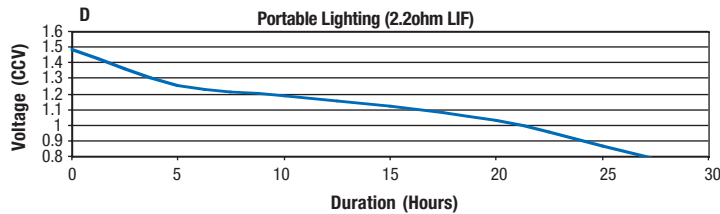
Typical Discharge Characteristics with Constant Resistance at 20°C



Typical Temperature Characteristics 0.9 Volts Cutoff Voltage



IEC/ANSI Standard Tests @ 20°C



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Part Number: **LR03XWA**

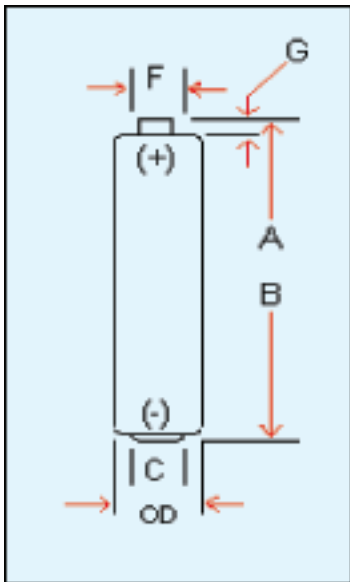
(Replaces Panasonic part number AM-4PI)

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/MnO ₂)
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

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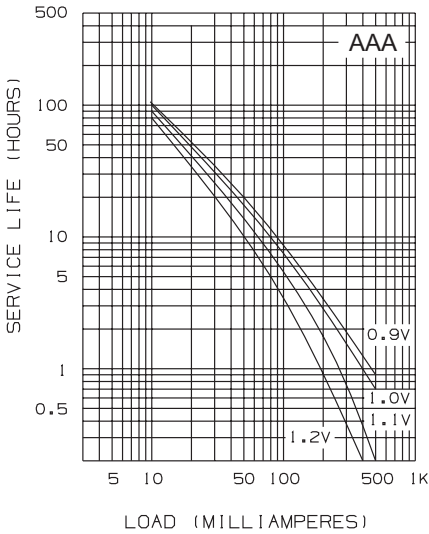


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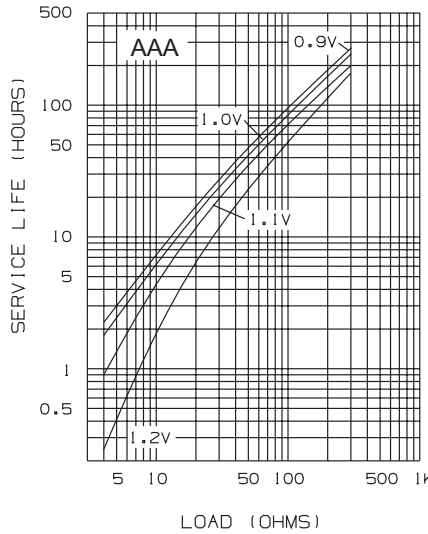
Part Number: LR03XWA (Replaces Panasonic part number AM-4PI)

Alkaline-Zinc/Manganese Dioxide

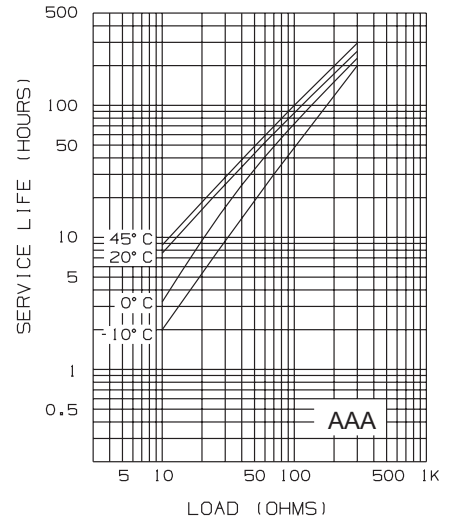
Typical Discharge Characteristics with Constant Current at 20°C



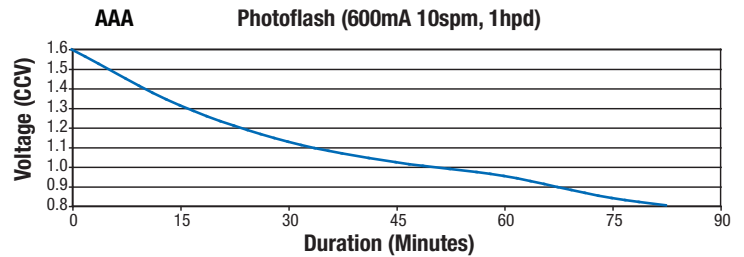
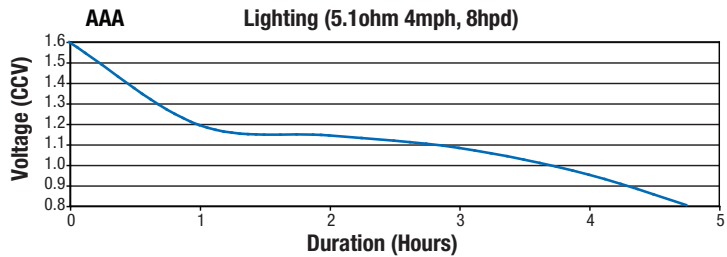
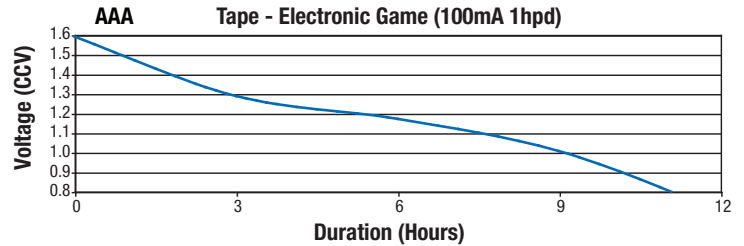
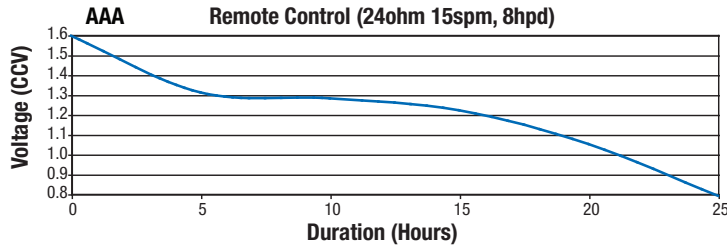
Typical Discharge Characteristics with Constant Resistance at 20°C



Typical Temperature Characteristics 0.9 Volts Cutoff Voltage



IEC/ANSI Standard Tests @ 20°C



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Part Number: **LR20XWA**

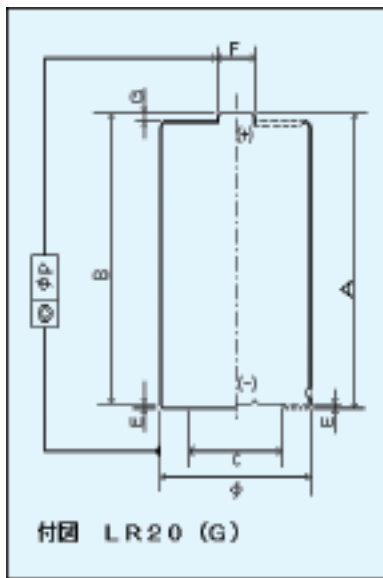
(Replaces Panasonic part number AM-1PI)

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/MnO ₂)
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
- Hotel/Motel/Restaurant
- Transportation
- Communications
- Government/Municipality
- HVAC
- Contractors
- Janitorial/Sanitation
- Power Plants
- Manufacturing
- Military/Defense
- Security

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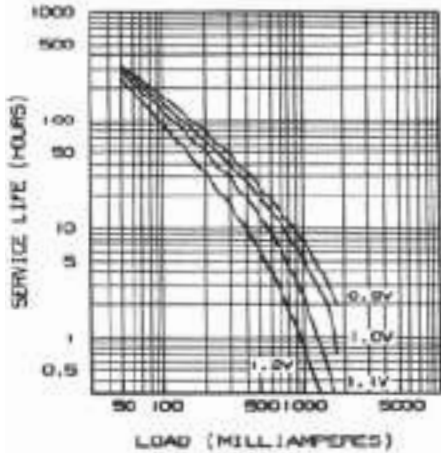


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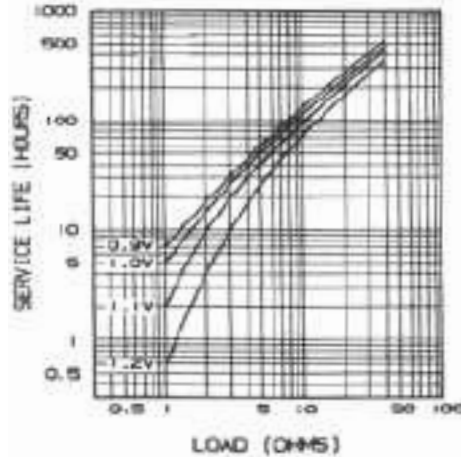
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Alkaline-Zinc/Manganese Dioxide

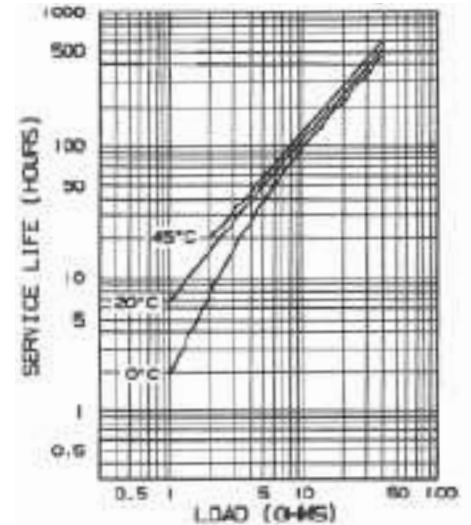
Typical Discharge Characteristics with Constant Current at 20°C



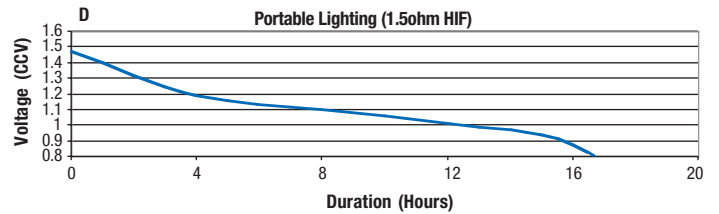
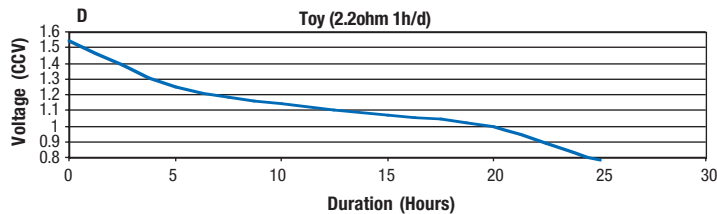
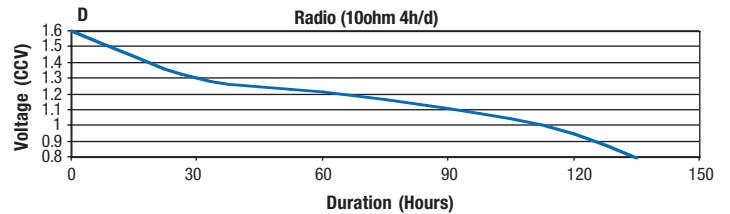
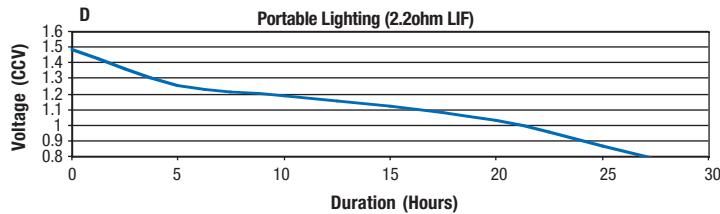
Typical Discharge Characteristics with Constant Resistance at 20°C



Typical Temperature Characteristics 0.9 Volts Cutoff Voltage



IEC/ANSI Standard Tests @ 20°C



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Part Number: **LR6XWA**

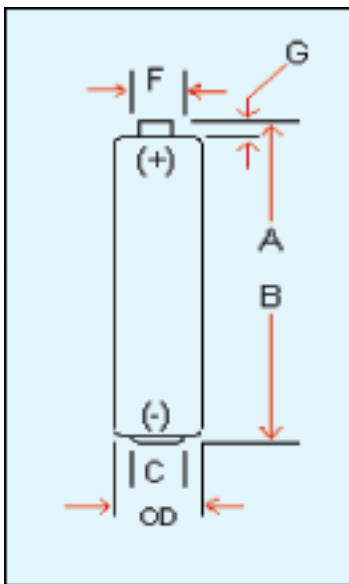
(Replaces Panasonic part number AM-3PI)

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/MnO ₂)
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
- Hotel/Motel/Restaurant
- Transportation
- Communications
- Government/Municipality
- HVAC
- Contractors
- Janitorial/Sanitation
- Power Plants
- Manufacturing
- Military/Defense
- Security

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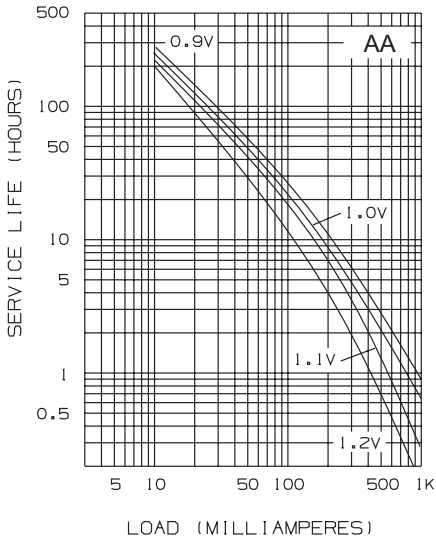


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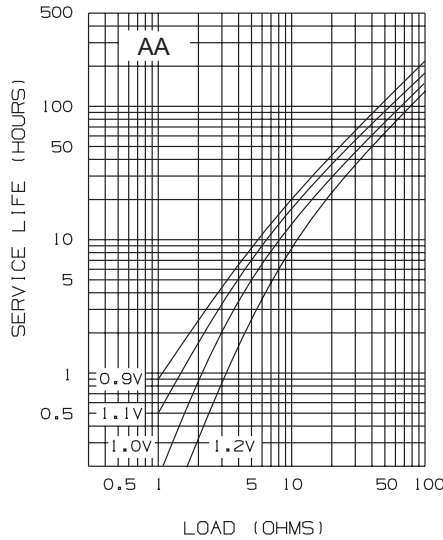
Part Number: LR6XWA (Replaces Panasonic part number AM-3PI)

Alkaline-Zinc/Manganese Dioxide

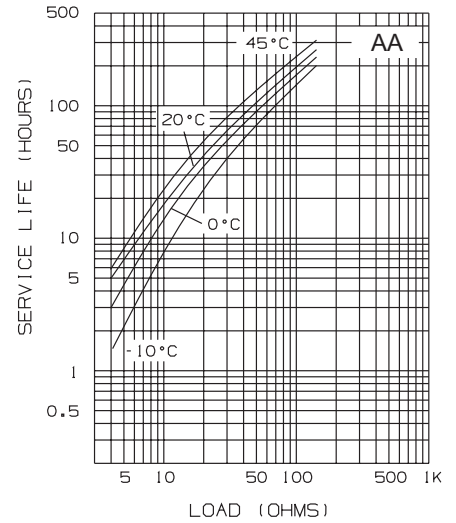
Typical Discharge Characteristics with Constant Current at 20°C



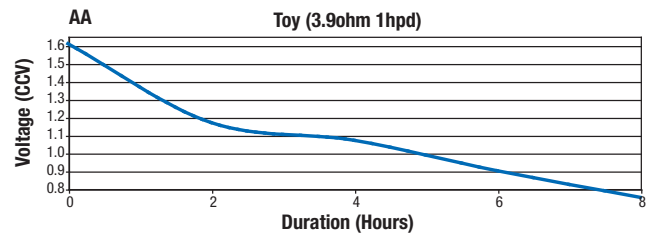
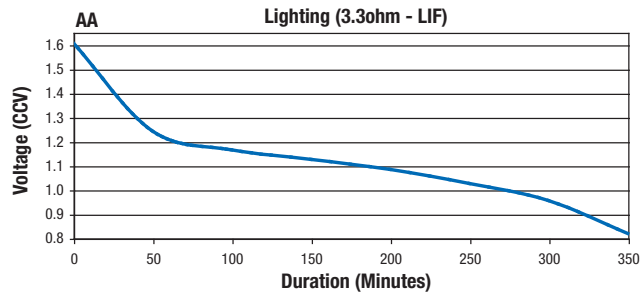
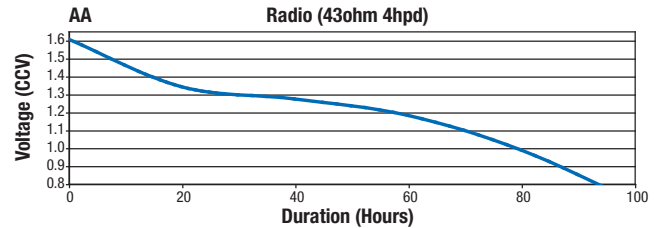
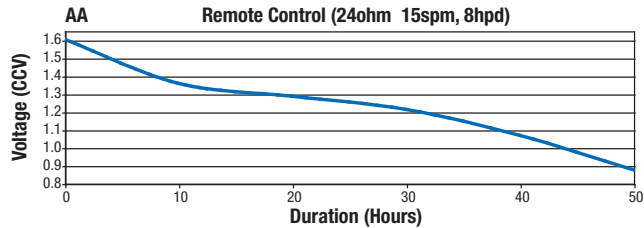
Typical Discharge Characteristics with Constant Resistance at 20°C



Typical Temperature Characteristics 0.9 Volts Cutoff Voltage



IEC/ANSI Standard Tests @ 20°C



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