

Part Number: **LR14XWA**

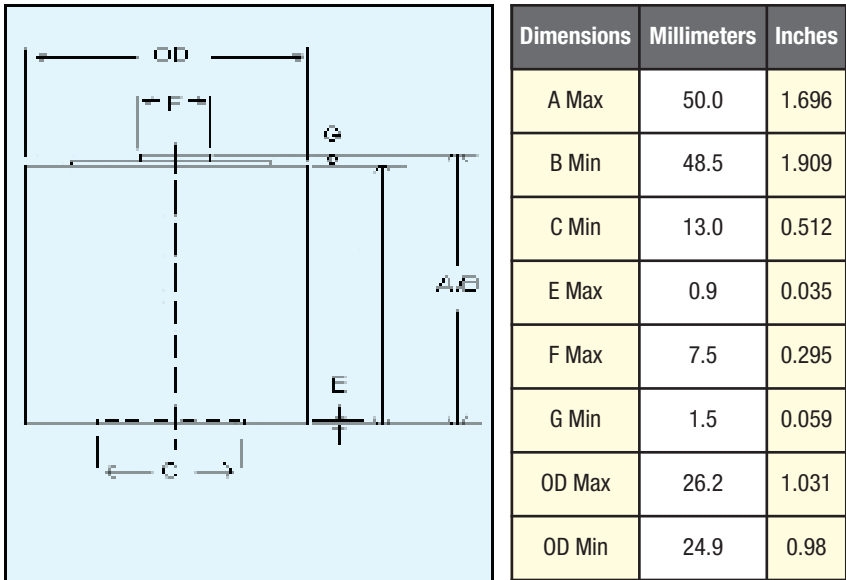
(Replaces Panasonic part number AM-2PI)

Alkaline-Zinc/Manganese Dioxide



Industry Standard Dimensions mm (inches)

Dimensions Comply with ANSI and IEC Standards



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

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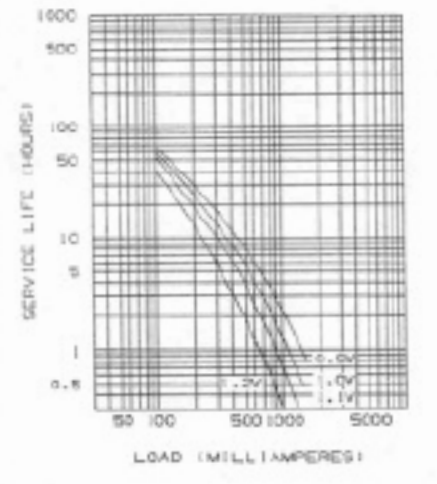


Photos represent typical industrial applications but may or may not match the battery size on this data sheet.

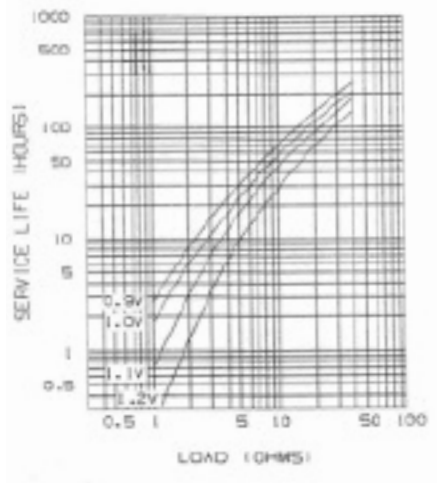
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Alkaline-Zinc/Manganese Dioxide

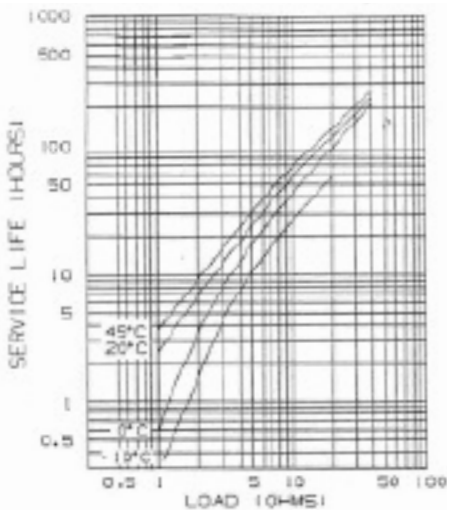
Typical Discharge Characteristics with Constant Current at 20°C



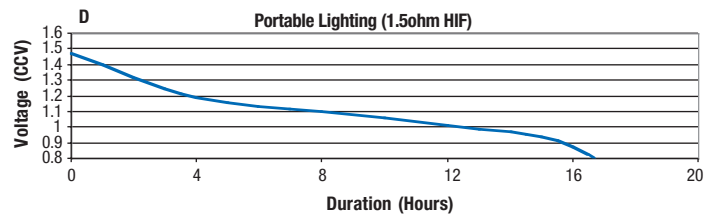
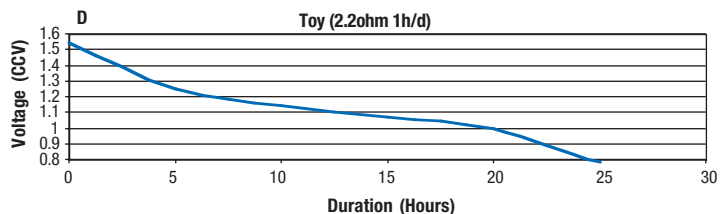
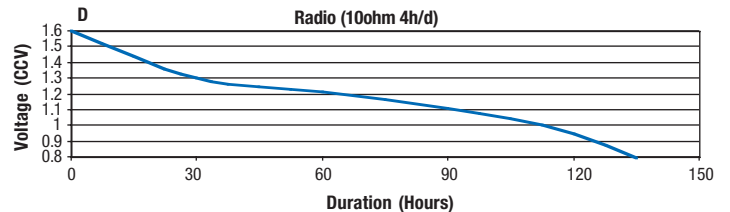
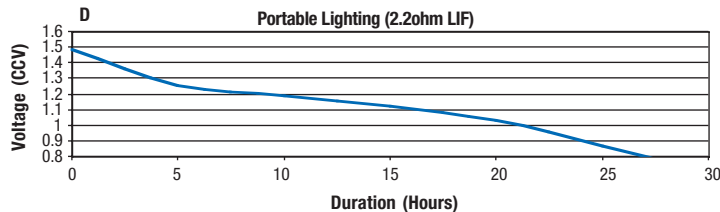
Typical Discharge Characteristics with Constant Resistance at 20°C



Typical Temperature Characteristics 0.9 Volts Cutoff Voltage



IEC/ANSI Standard Tests @ 20°C



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Part Number: **LR03XWA**

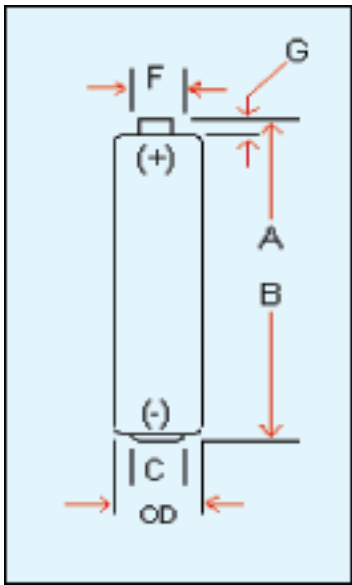
(Replaces Panasonic part number AM-4PI)

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
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 - Janitorial/Sanitation
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 - Power Plants
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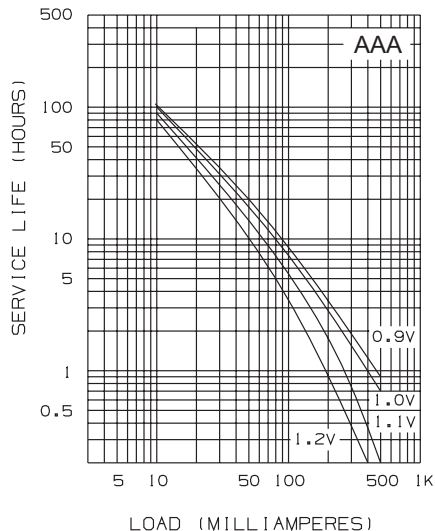


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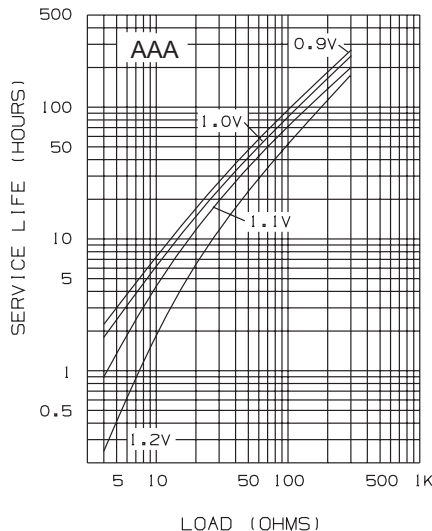
Part Number: LR03XWA (Replaces Panasonic part number AM-4PI)

Alkaline-Zinc/Manganese Dioxide

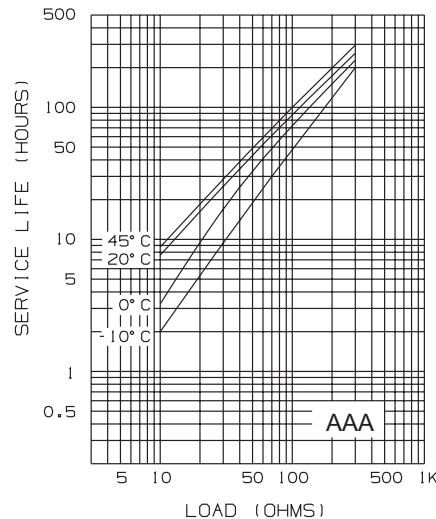
Typical Discharge Characteristics with Constant Current at 20°C



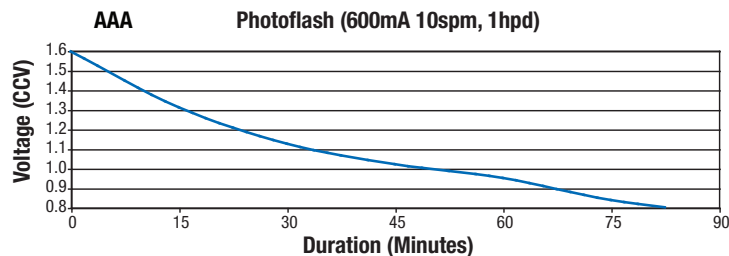
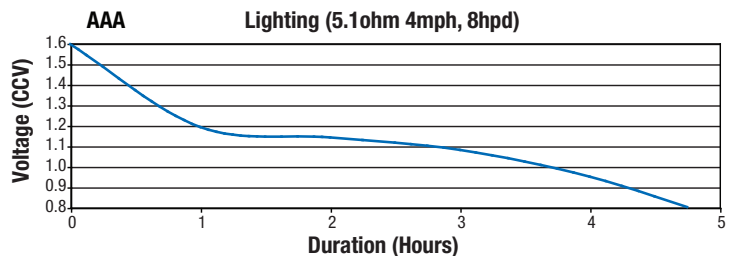
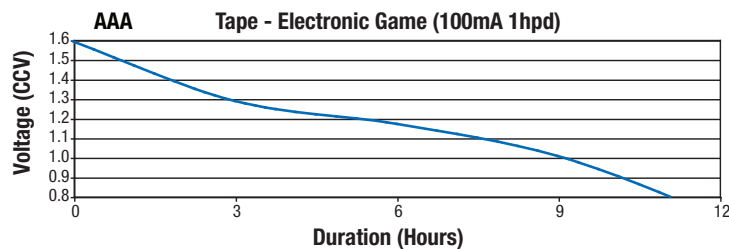
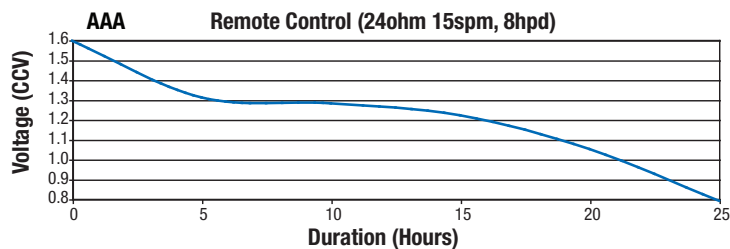
Typical Discharge Characteristics with Constant Resistance at 20°C



Typical Temperature Characteristics 0.9 Volts Cutoff Voltage



IEC/ANSI Standard Tests @ 20°C



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Part Number: **LR20XWA**

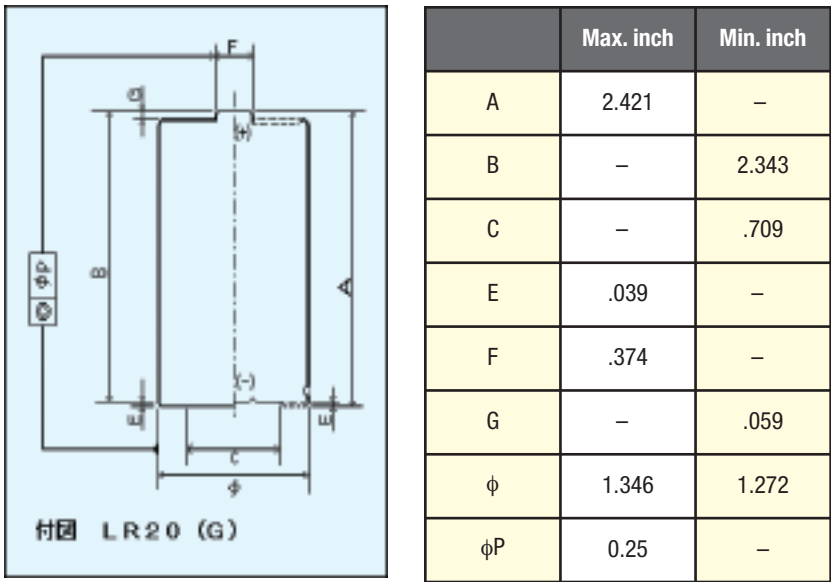
(Replaces Panasonic part number AM-1PI)

Alkaline-Zinc/Manganese Dioxide



Industry Standard Dimensions mm (inches)

Dimensions Comply with ANSI and IEC Standards



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

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• Power Plants

• Security

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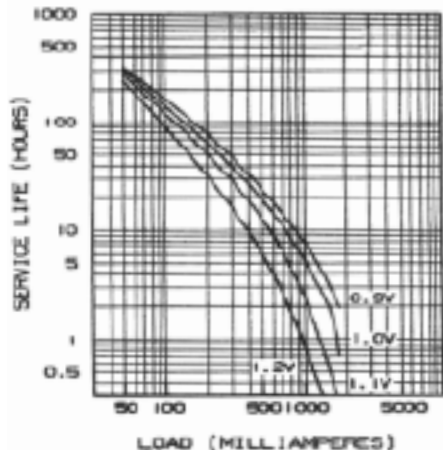


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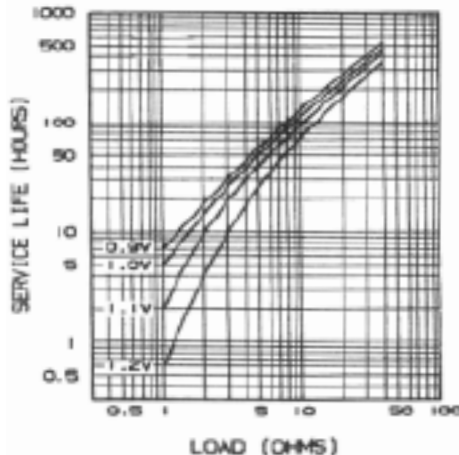
Part Number: LR20XWA (Replaces Panasonic part number AM-1PI)

Alkaline-Zinc/Manganese Dioxide

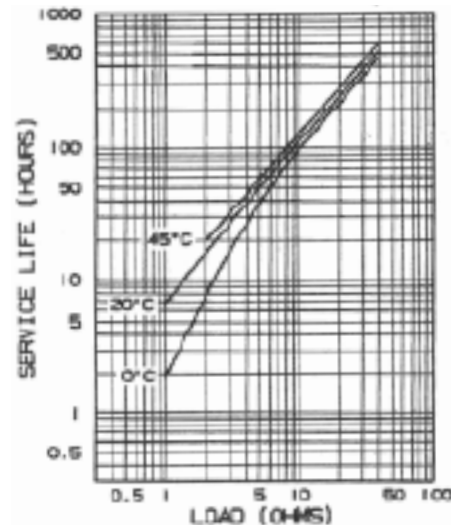
Typical Discharge Characteristics with Constant Current at 20°C



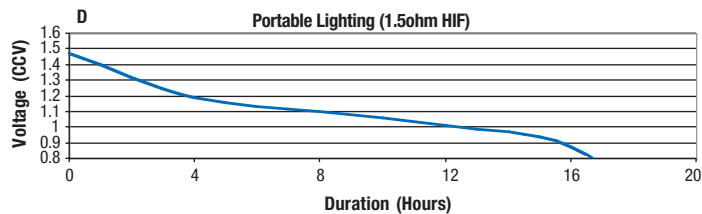
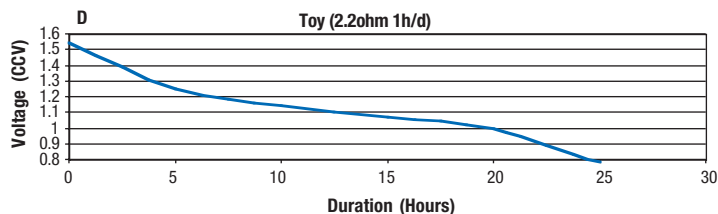
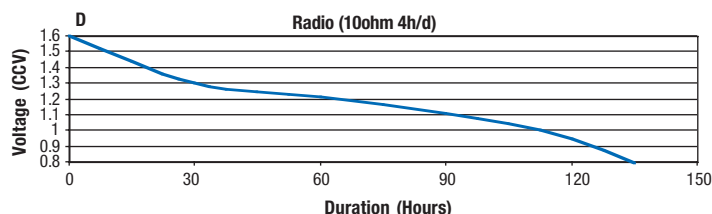
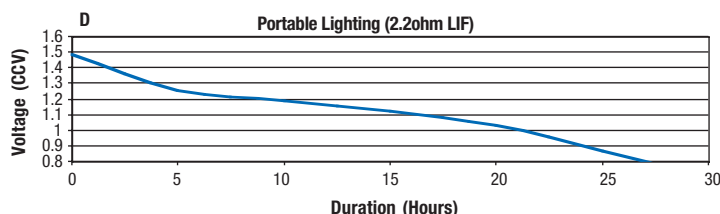
Typical Discharge Characteristics with Constant Resistance at 20°C



Typical Temperature Characteristics 0.9 Volts Cutoff Voltage



IEC/ANSI Standard Tests @ 20°C



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Part Number:

LR6XWA

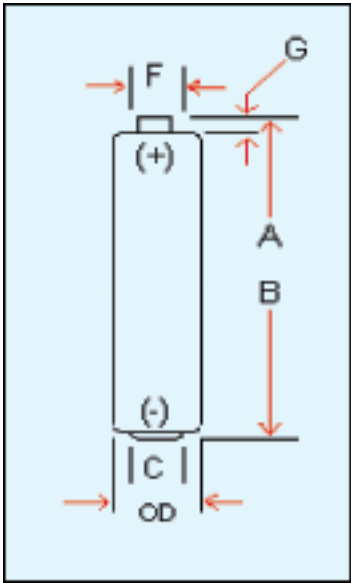
(Replaces Panasonic part number AM-3PI)

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

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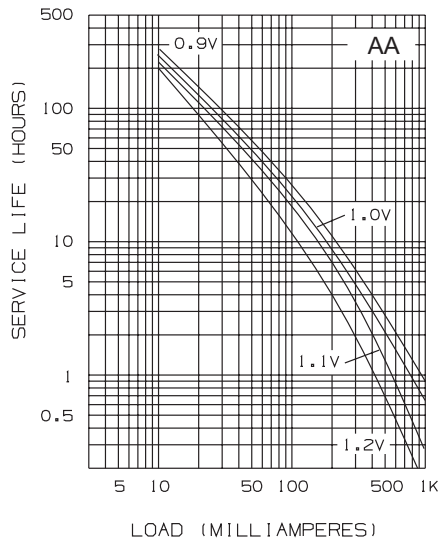


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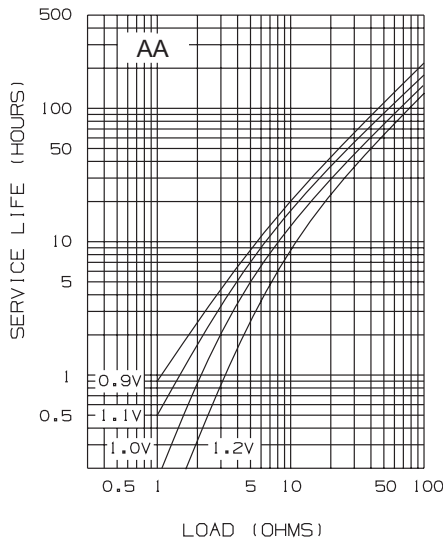
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Alkaline-Zinc/Manganese Dioxide

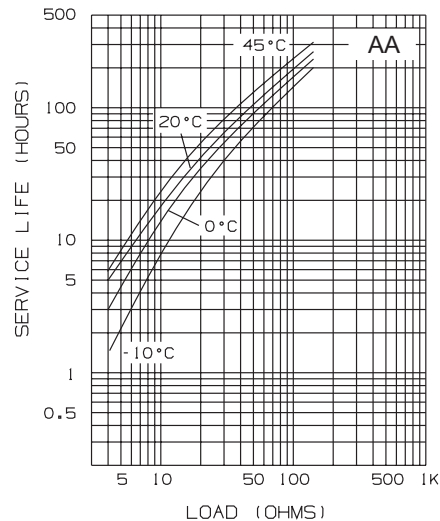
Typical Discharge Characteristics with Constant Current at 20°C



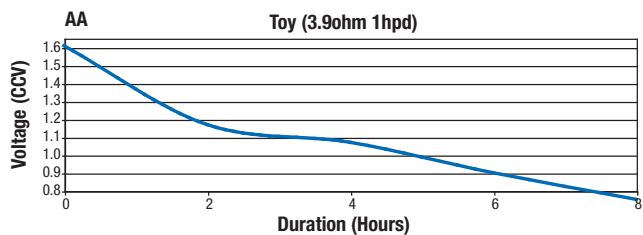
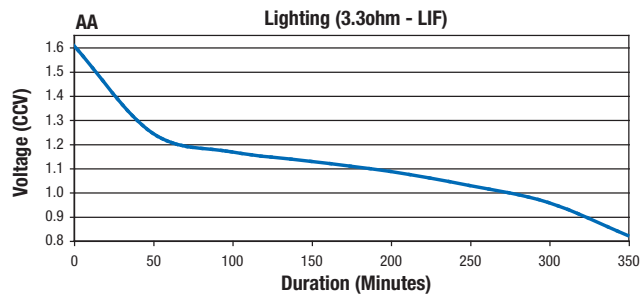
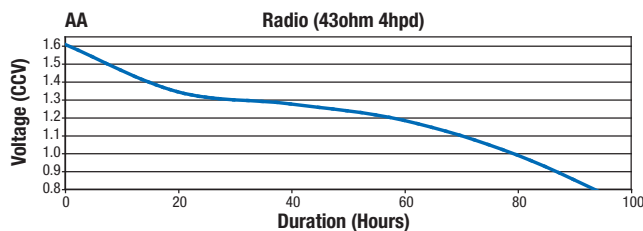
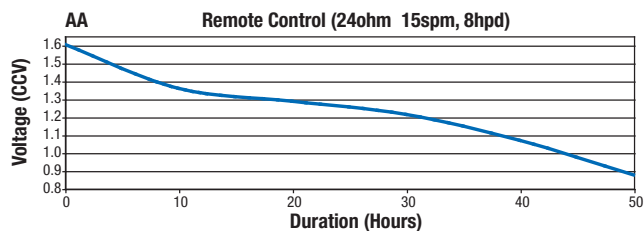
Typical Discharge Characteristics with Constant Resistance at 20°C



Typical Temperature Characteristics 0.9 Volts Cutoff Voltage



IEC/ANSI Standard Tests @ 20°C



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