## C (LR14XWA)

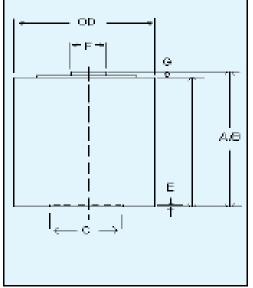
## Part Number: LR14XWA

(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

#### **Batteries for every application and industry including:** • Hotel/Motel/Restaurant

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



### **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 cm³ (1.6 in.³)
Terminals:	Flat (Recessed Negative)
Shelf Life:	7 years (80% Capacity)
Heavy Metals Content:	No added Mercury, Cadmium or Lead

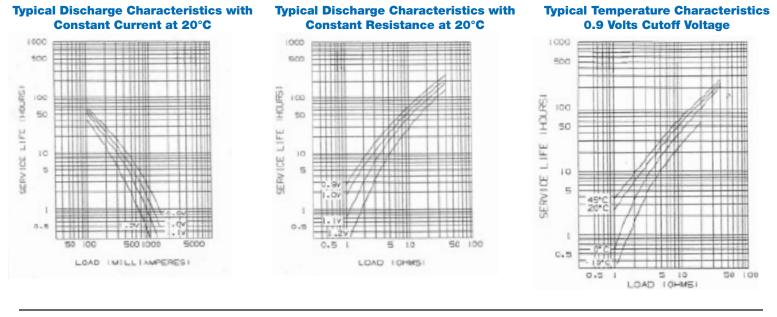
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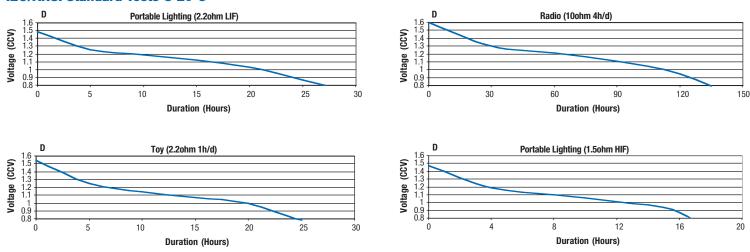
Photos represent typical industrial applications but may or may not match the battery size on this data sheet.

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

## **Alkaline-Zinc/Manganese Dioxide**



#### 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.

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## Part Number: LR03XWA

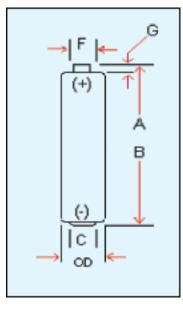
(Replaces Panasonic part number AM-4PI)

## **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

### **Batteries for every application and industry including:** • Hotel/Motel/Restaurant

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

### **Specifications**

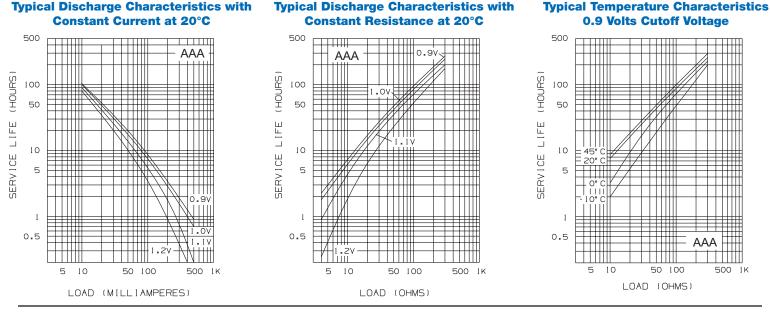
Chemical System:	Alkaline-Zinc/Manganese Dioxide (Zn/MnO2)
Designation:	ANSI-24A, IEC-LR03
Nominal Voltage:	1.5V
Operating Temperature Range:	-20°C to 54°C (-4°F to 130°F)
Typical Weight:	11.0 grams (0.38 oz.)
Typical Volume:	3.8 cm³ (0.2 in.³)
Terminals:	Cap and base
Shelf Life:	7 years (80% Capacity)
Heavy Metals Content:	No added Mercury, Cadmium or Lead

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

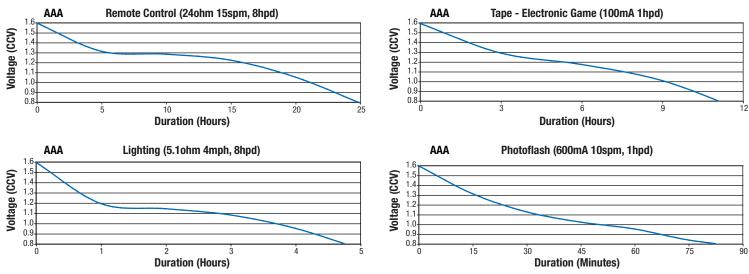


## Part Number: LR03XWA (Replaces Panasonic part number AM-4PI)

## **Alkaline-Zinc/Manganese Dioxide**



#### **IEC/ANSI Standard Tests @ 20°C**



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## D (LR20XWA)

## Part Number: LR20XWA

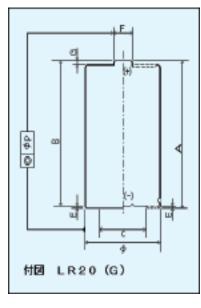


(Replaces Panasonic part number AM-1PI)

## Alkaline-Zinc/Manganese Dioxide

### **Industry Standard Dimensions mm (inches)**

Dimensions Comply with ANSI and IEC Standards



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

### **Batteries for every application and industry including:** • Hotel/Motel/Restaurant

- Medical
- Communications · Government/Municipality · HVAC
- Contractors
- Manufacturing
- Janitorial/Sanitation
- Military/Defense
- Transportation

- Power Plants
- Security



## **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 cm³ (3.4 in.³)
Terminals:	Flat (Recessed Negative)
Shelf Life:	7 years (80% Capacity)
Heavy Metals Content:	No added Mercury, Cadmium or Lead

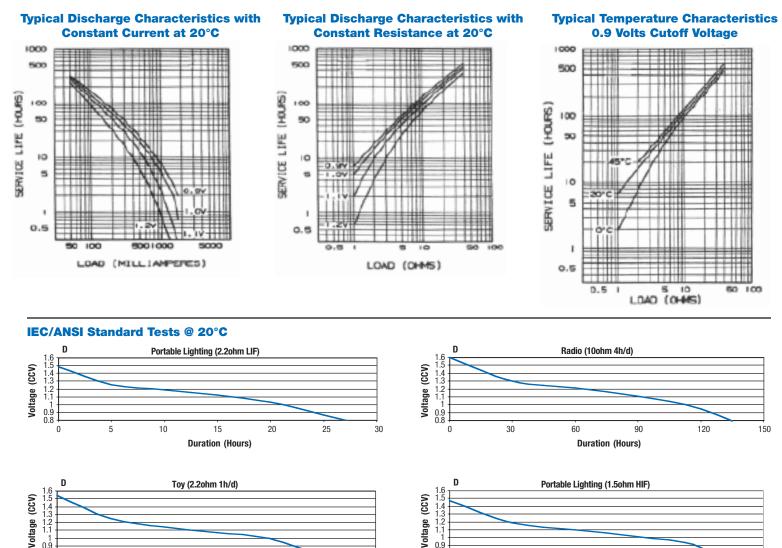
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Photos represent typical industrial applications but may or may not match the battery size on this data sheet.

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

## Alkaline-Zinc/Manganese Dioxide



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12

**Duration (Hours)** 

8

16

20

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10

15

**Duration (Hours)** 

5

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0.9 0.8

0

## Part Number: LR6XWA

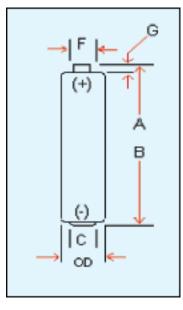
(Replaces Panasonic part number AM-3PI)

## 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

#### **Batteries for every application and industry including:** • Hotel/Motel/Restaurant

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

#### **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 cm³ (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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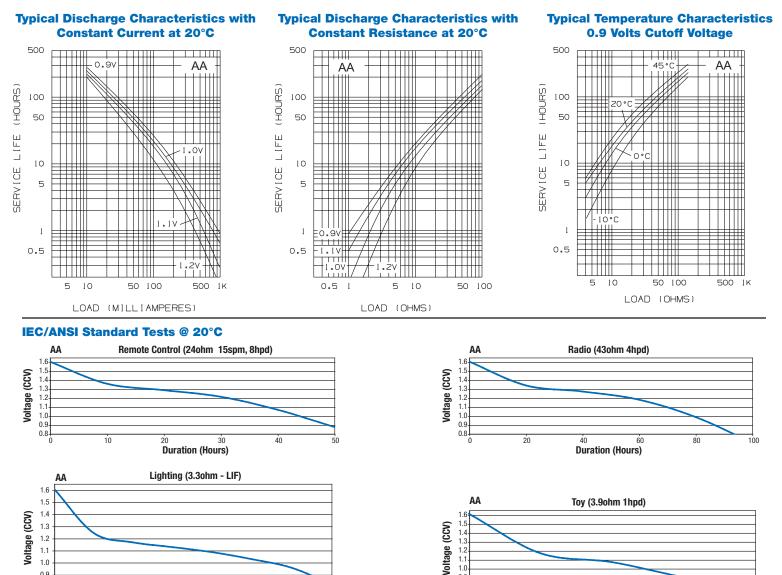


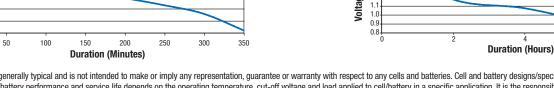
## AA (LR6XWA)

## **Panasonic Industrial**

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

## Alkaline-Zinc/Manganese Dioxide





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