

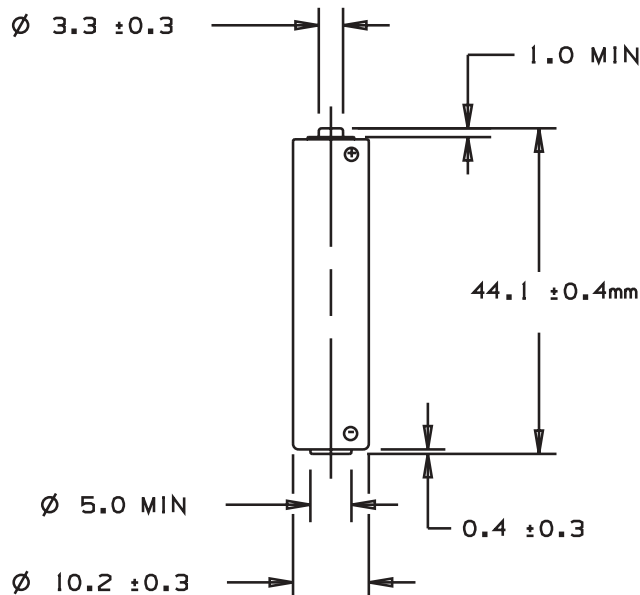
#### Panasonic Part AM-4PI



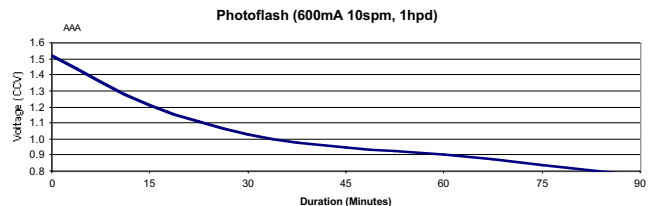
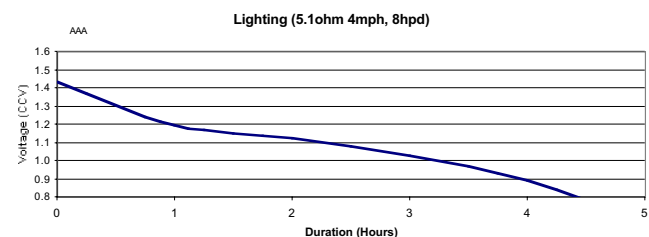
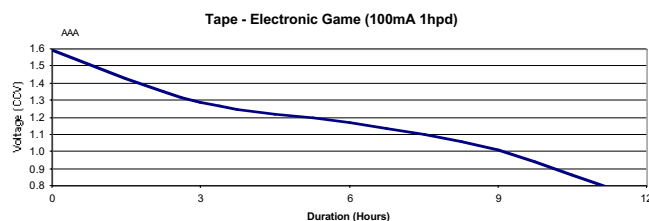
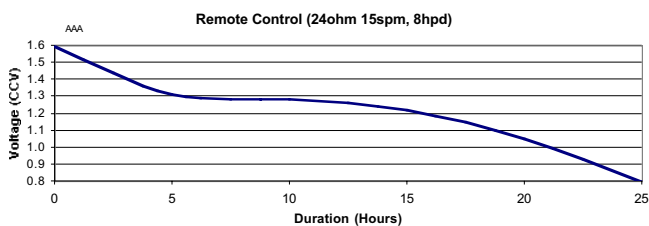
MADE IN THE USA

Chemical System:	Alkaline-Zinc/Manganese Dioxide (Zn/MnO <sub>2</sub> )
Designation:	ANSI-24A, IEC-LR03
Nominal Voltage:	1.5V
Internal Resistance:	0.14 Ohms
Temperature Range:	-20°C to 54°C (-4°F to 130°F)
Average Weight:	11.0 grams (0.38 oz.)
Volume:	3.8 cm <sup>3</sup> (0.2 in. <sup>3</sup> )
Terminals:	Flat
Shelf Life:	7 years (80% Capacity)
Heavy Metals Content:	No added Mercury, Cadmium or Lead

Dimensions Comply with ANSI Standards  
mm

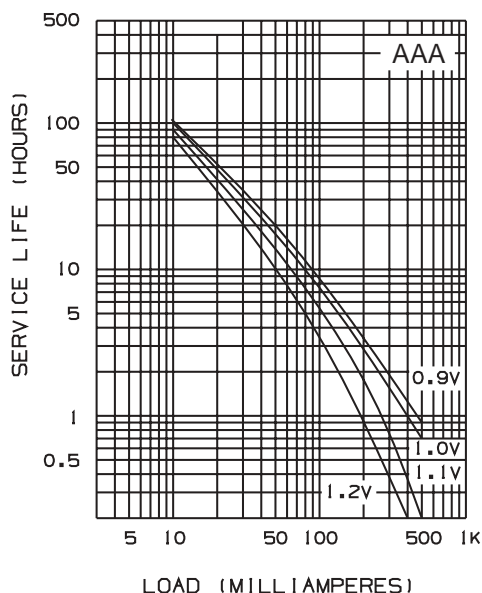


#### IEC/ANSI Standard Tests @ 20°C

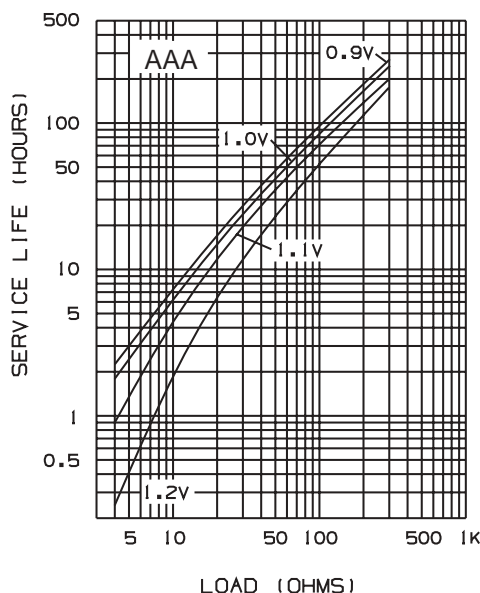


### AAA

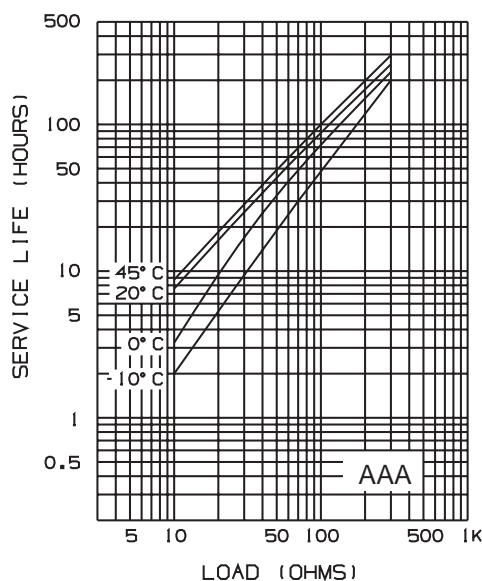
Typical Discharge Characteristics With Constant Current at 20°C



Typical Discharge Characteristics With Constant Resistance At 20°C



Typical Temperature Characteristics  
0.9 Volts Cutoff Voltage



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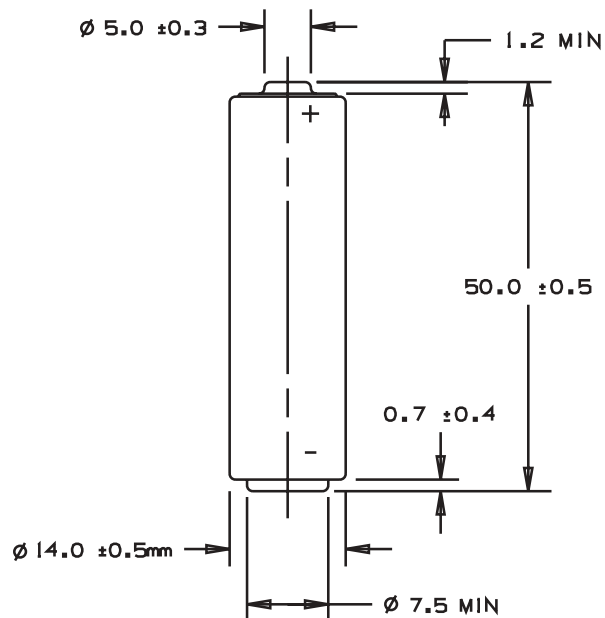
#### Panasonic Part AM-3PI



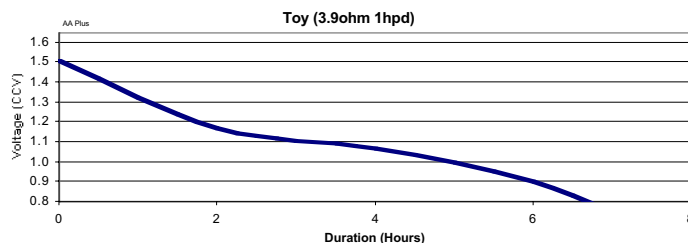
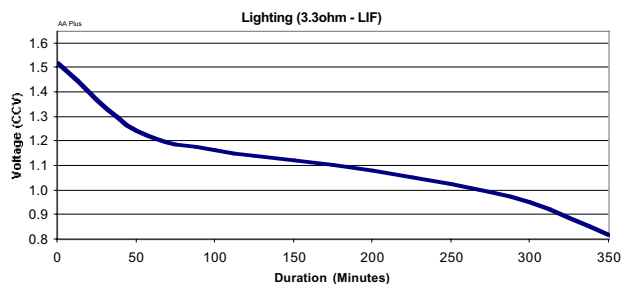
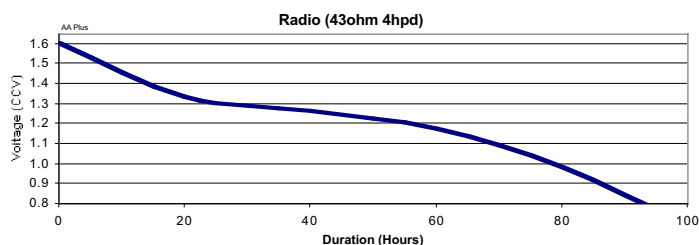
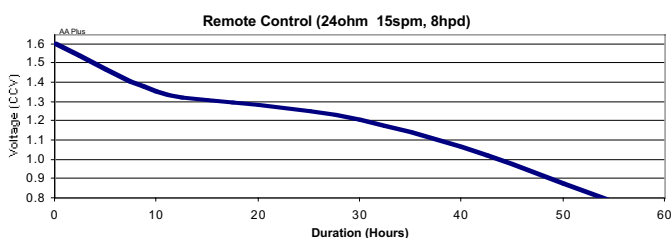
MADE IN THE USA

Chemical System:	Alkaline-Zinc/Manganese Dioxide (Zn/MnO <sub>2</sub> )
Designation:	ANSI-15A, IEC-LR6
Nominal Voltage:	1.5V
Internal Resistance:	0.13 Ohms
Temperature Range:	-20°C to 54°C (-4°F to 130°F)
Average Weight:	23 grams (0.8 oz.)
Volume:	8.1 cm <sup>3</sup> (0.5 in. <sup>3</sup> )
Terminals:	Flat
Shelf Life:	7 years (80% Capacity)
Heavy Metals Content:	No added Mercury, Cadmium or Lead

Dimensions Comply with ANSI Standards  
mm

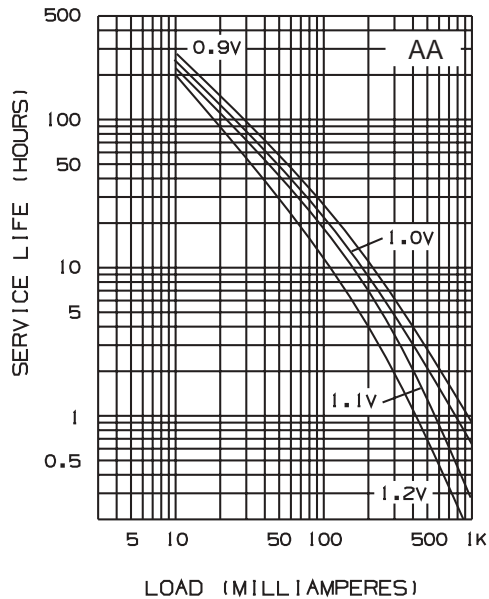


#### IEC/ANSI Standard Tests @ 20°C

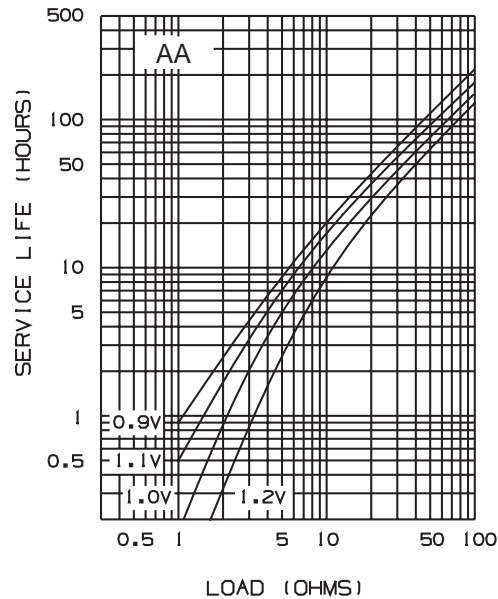


### AA

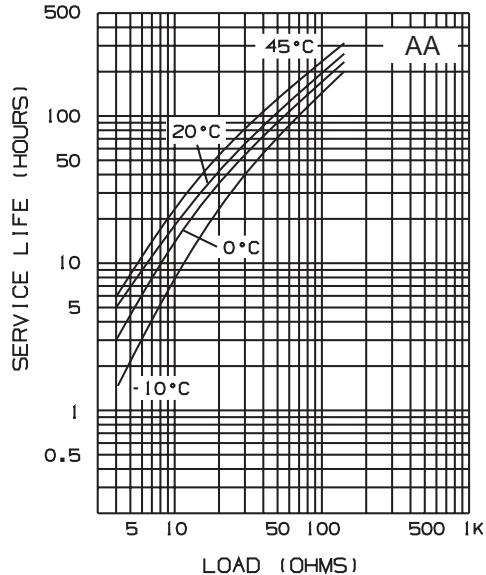
Typical Discharge Characteristics With  
Constant Current At 20°C



Typical Discharge Characteristics With  
Constant Resistance At 20°C



Typical Temperature Characteristics  
0.9 Volts Cutoff Voltage



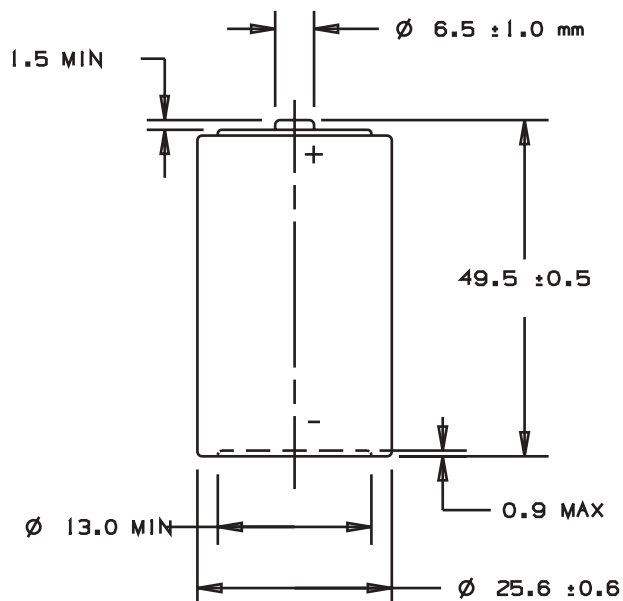
This information is generally typical and is not intended to make or imply any representation, guarantee or warranty with respect to any cells and batteries. Cell and battery designs/specifications are subject to modification without notice. Cell/battery performance and service life depends on the operating 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.

#### Panasonic Part AM-2PI



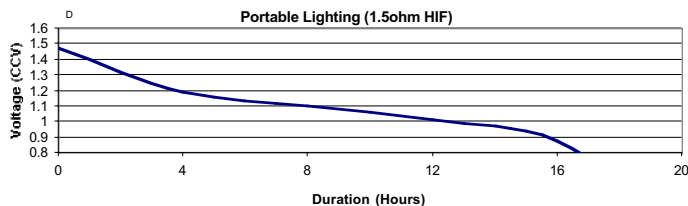
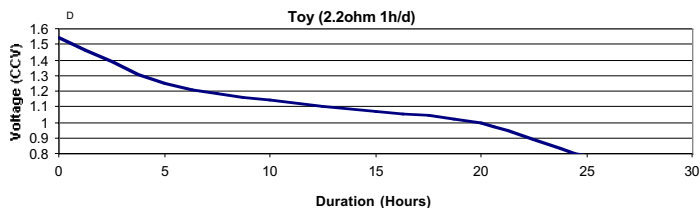
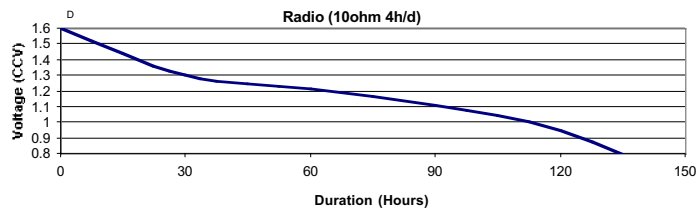
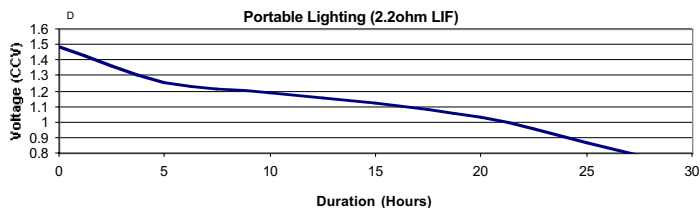
MADE IN THE USA

Dimensions Comply with ANSI Standards  
mm



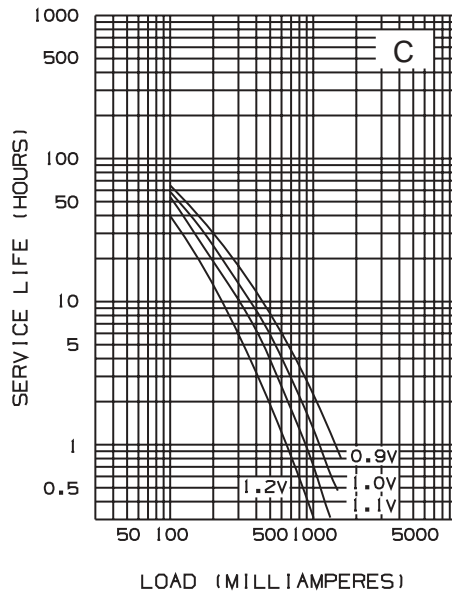
Chemical System:	Alkaline-Zinc/Manganese Dioxide (Zn/MnO <sub>2</sub> )
Designation:	ANSI-14A, IEC-LR14
Nominal Voltage:	1.5V
Internal Resistance:	0.10 Ohms
Temperature Range:	-20°C to 54°C (-4°F to 130°F)
Average Weight:	70 grams (2.47 oz.)
Volume:	26.9 cm <sup>3</sup> (1.6 in. <sup>3</sup> )
Terminals:	Flat (Recessed Negative)
Shelf Life:	7 years (80% Capacity)
Heavy Metals Content:	No added Mercury, Cadmium or Lead

#### IEC/ANSI Standard Tests @ 20°C

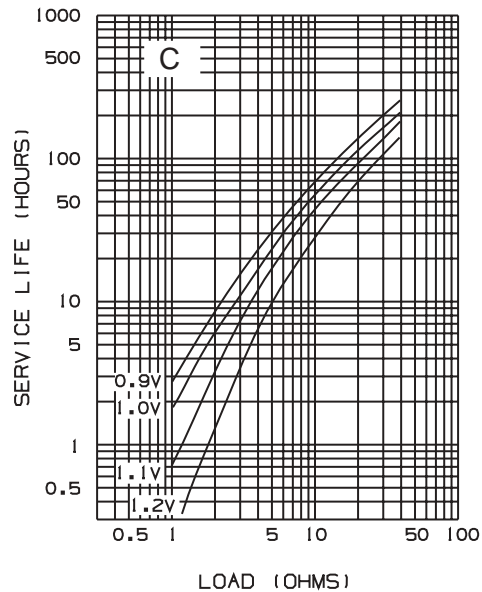


**C**

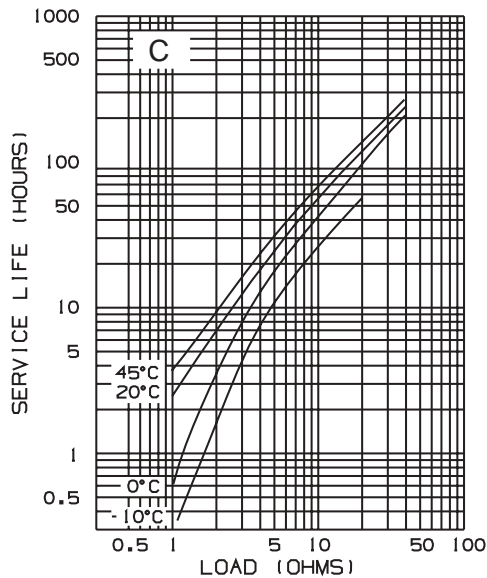
Typical Discharge Characteristics With  
Constant Current At 20°C



Typical Discharge Characteristics With  
Constant Resistance At 20°C

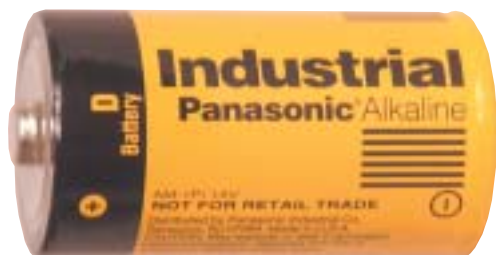


Typical Temperature Characteristics  
0.9 Volts Cutoff Voltage



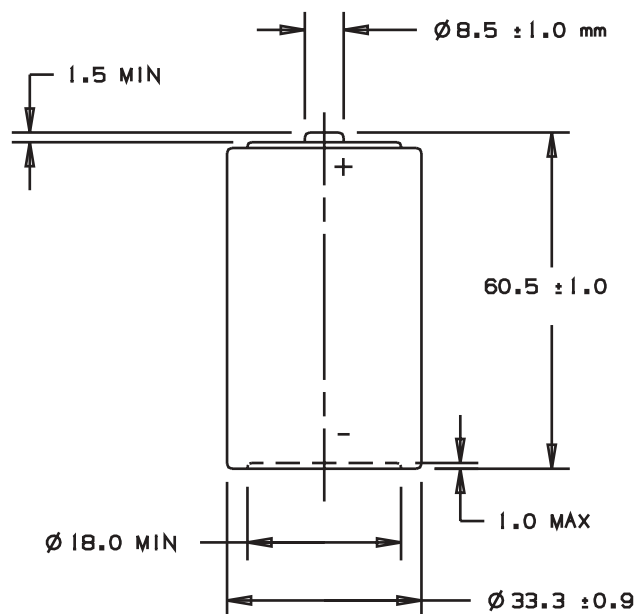
This information is generally typical and is not intended to make or imply any representation, guarantee or warranty with respect to any cells and batteries. Cell and battery designs/specifications are subject to modification without notice. Cell/battery performance and service life depends on the operating 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.

#### Panasonic Part AM-1PI



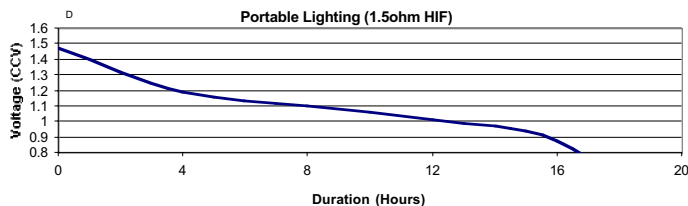
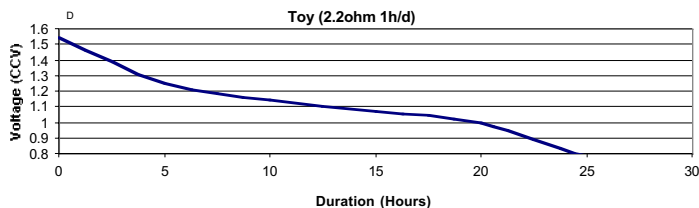
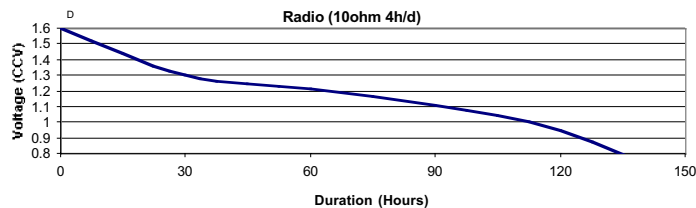
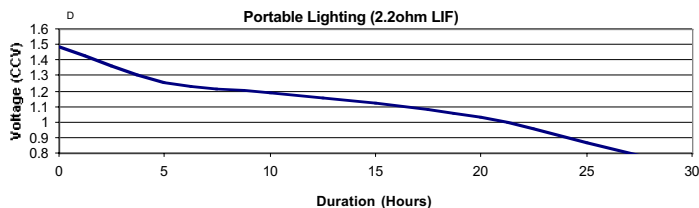
MADE IN THE USA

Dimensions Comply with ANSI Standards  
mm



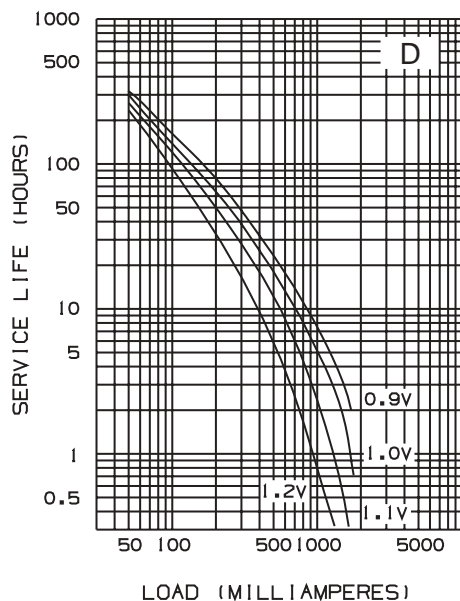
Chemical System:	Alkaline-Zinc/Manganese Dioxide (Zn/MnO <sub>2</sub> )
Designation:	ANSI-13A, IEC-LR20
Nominal Voltage:	1.5V
Internal Resistance:	0.08 Ohms
Temperature Range:	-20°C to 54°C (-4°F to 130°F)
Average Weight:	141 grams (4.97 oz.)
Volume:	55.9 cm <sup>3</sup> (3.4 in. <sup>3</sup> )
Terminals:	Flat (Recessed Negative)
Shelf Life:	7 years (80% Capacity)
Heavy Metals Content:	No added Mercury, Cadmium or Lead

#### IEC/ANSI Standard Tests @ 20°C

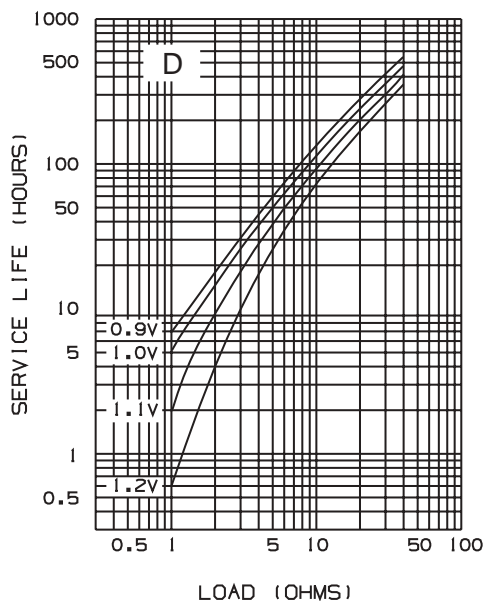


**D**

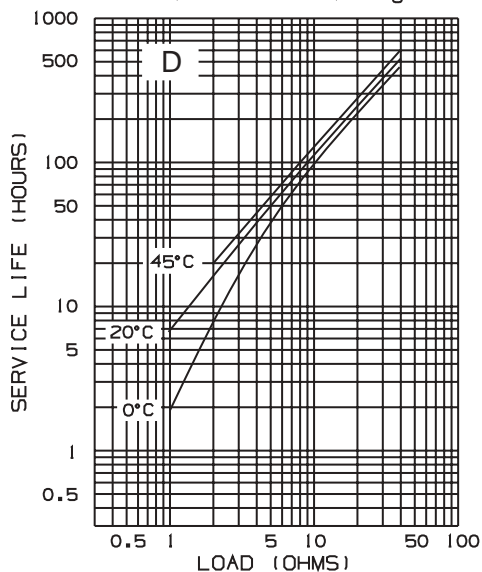
Typical Discharge Characteristics With  
Constant Current At 20°C



Typical Discharge Characteristics With  
Constant Resistance At 20°C



Typical Temperature Characteristics  
0.9 Volts Cutoff Voltage



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#### Panasonic Part 6AM-6PI



MADE IN THE USA

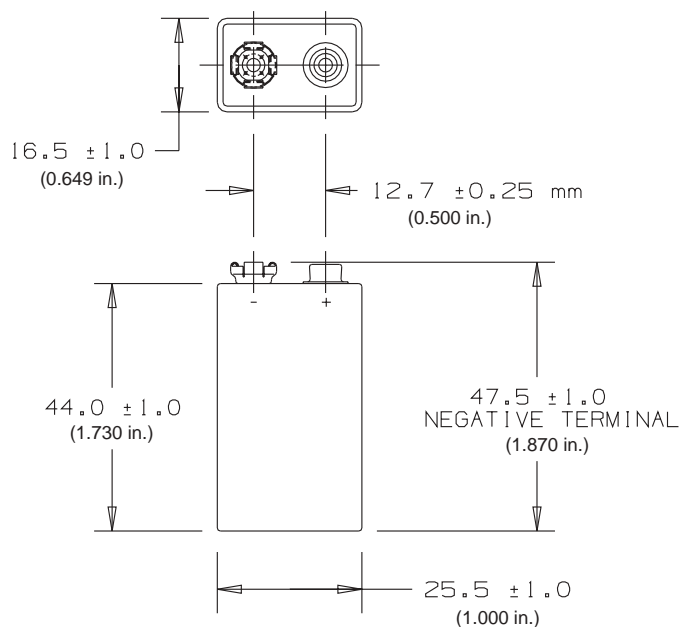
Chemical System:	Alkaline-Zinc/Manganese Dioxide (Zn/MnO <sub>2</sub> )
Designation:	ANSI 1604A, IEC 6LR61
Nominal Voltage:	9.0V
Internal Resistance:	2.76 Ohms
Temperature Range:	-20°C to 54°C (-4°F to 130°F)
Average Weight:	45 grams (1.6 oz.)
Volume:	22.8 cm <sup>3</sup> (1.39 in. <sup>3</sup> )
Terminals:	Snap
Shelf Life:	5 years (85% Capacity)
Heavy Metals Content:	No added Mercury, Cadmium or Lead



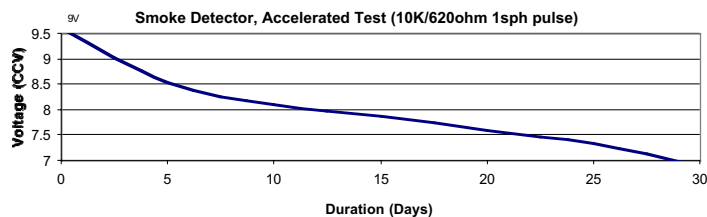
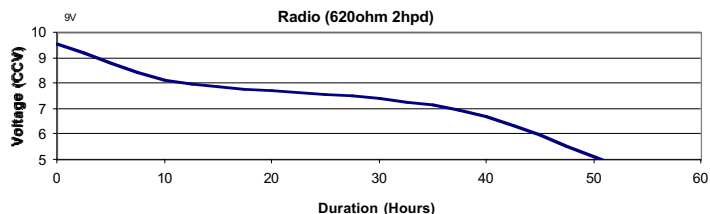
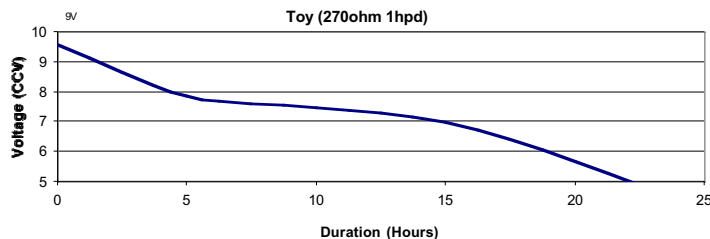
THIS BATTERY HAS UNDERWRITERS  
LABORATORIES COMPONENT RECOGNITION

Dimensions Comply with ANSI Standards

mm

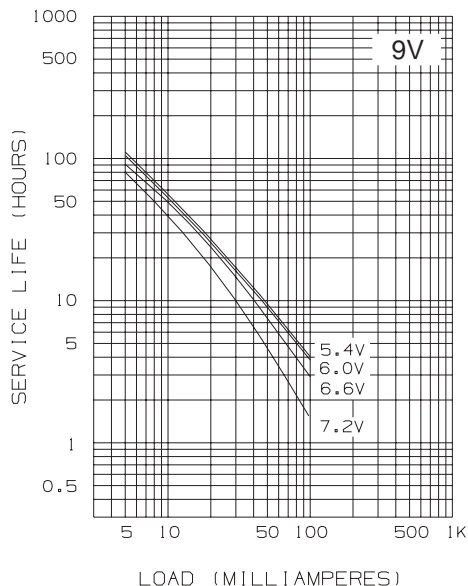


#### IEC/ANSI Standard Tests @ 20°C

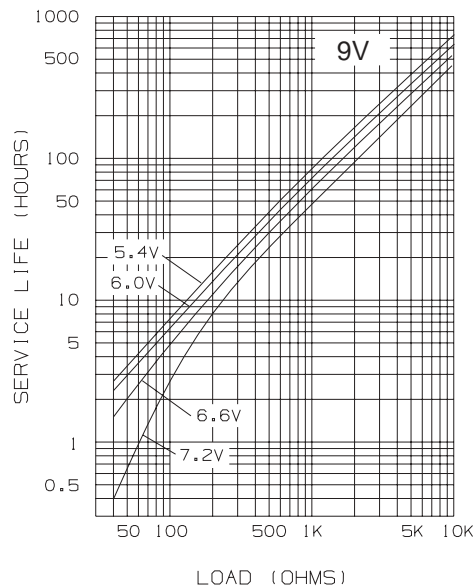


### 9V

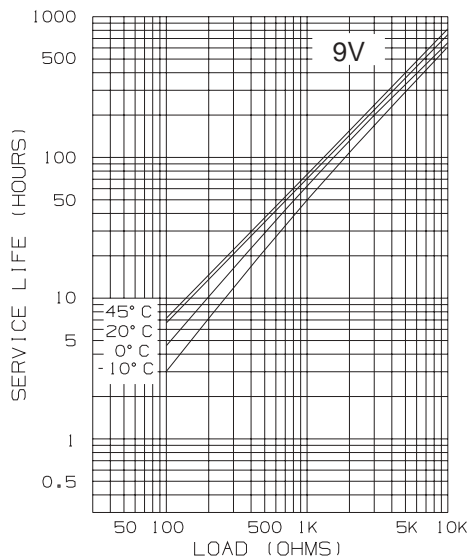
Typical Discharge Characteristics With  
Constant Current At 20°C



Typical Discharge Characteristics With  
Constant Resistance At 20°C



Typical Temperature Characteristics  
5.4 Volts Cutoff Voltage



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