## **PRODUCTS**

# INDUSTRIAL SOLUTIONS

#### **CARBON ZINC BATTERIES**

Carbon Zinc batteries are no longer available through North American distribution.

Panasonic Carbon Zinc Batteries offer economy and peak performance and are built for professional applications.



### **Applications**

- Clocks
- Communications Equipment
- Electronic Calculators
- Flashlights, Penlights
- Measuring Instruments
- Remote Controls
- Portable Electronics

Technical Data - Carbon Zinc Batteries Specification Table									
Model Number	Size	Type *	Label Color	1 V I	Diameter/Width Inch (mm)	Height Inch (mm)	Thickness Inch (mm)	Ave. Wt. oz (g)	
UM-4NPA	AAA	Super Heavy Duty	Blue	1.5	.413 (10.49)	1.752 (44.50)		0.34 (9.70)	
UM-3NPA	АА	Super Heavy Duty	Blue	1.5	.571 (14.50)	1.988 (50.50)		0.67 (19.00)	
UM-2NPA	С	Super Heavy Duty	Blue	1.5	1.031 (26.19)	1.969 (50.00)		1.82 (51.50)	
UM-1NPA	D	Super Heavy Duty	Blue	1.5	1.339 (34.01)	2.421 (61.49)		3.53 (100.0)	



	R1NW	N	Extra Heavy Duty	Black	1.5	.472 (11.99)	1.189 (30.20)		0.23 (6.55)	
ſ	6F22NW	9V	Extra Heavy Duty	Black	9	1.043 (26.49)	1.909 (48.49)	0.689 (17.50)	1.34 (38.00)	

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#### **Carbon Zinc Batteries Specification Table**

Model Number	Size	Туре	Label Color	V	Diameter/Width Inch (mm)	Height Inch (mm)	Thickness	Avg./Wt. oz (g)
UM-4NPA	AAA	Super Heavy Duty	Blue	1.5	.413 (10.49)	1.752 (44.50)		0.34 (9.70)
UM-3NPA	AA	Super Heavy Duty	Blue	1.5	.571 (14.50)	1.988 (50.50)		0.67 (19.00)
UM-2NPA	С	Super Heavy Duty	Blue	1.5	1.031 (26.19)	1.969 (50.00)		1.82 (51.50)
UM-1NPA	D	Super Heavy Duty	Blue	1.5	1.339 (34.01)	2.421 (61.49)		3.53 (100.0)
R1NW	N	Extra Heavy Duty	Black	1.5	.472 (11.99)	1.189 (30.20)		0.23 (6.55)
6F22NW	9V	Extra Heavy Duty	Black	9	1.043 (26.49)	1.909 (48.49)	0.689 (17.50)	1.31 (38.00)

<sup>\*</sup> Extra Heavy Duty and Super Heavy Duty are the same grade product. Super Heavy Duty is manufactured in Indonesia and Extra Heavy Duty is manufactured in Japan.

## **DIMENSIONS / INCH (MM)**

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Model No.	Dimensions/inch (mm)		Dimensions/inch (mm)
Size "AAA"	1. Nominal Voltage: 1.5 volts	Size "AA"	1. Nominal Voltage: 1.5 volts
UM-4NPA	1.673min (42.5min)	UM-3NPA	0.39min (1.039min 1.929min (49.0min) + (1.04.0min) 1.988max (50.5max)
	Note: Drawing not to scale		Note: Drawing not to scale
Size "C"	1. Nominal Voltage: 1.5 volts	Size "D"	1. Nominal Voltage: 1.5 volts
UM-2NPA	Note: Drawing not to scale	UM-1NPA	Note: Drawing not to scale  Note: Drawing not to scale
Size "N"	1. Nominal Voltage: 1.5 volts	Size "9V"	1. Nominal Voltage: 9.0 volts
R1NW	(Ø11.99) Ø0.472 (Ø3.2) Ø0.126 (V) (V) (V) (V) (V) (V) (V) (V) (V) (V)	6F22NW	1.043 (26.49)  1.043 (26.49)  1.043 (26.49)  1.043 (26.49)  1.043 (26.49)  1.043 (26.49)  1.043 (26.49)  1.043 (26.49)  1.043 (26.49)  1.043 (26.49)  1.043 (26.49)