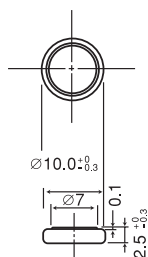


Manganese Dioxide Lithium Coin Batteries: Individual Specifications

CR1025

■ Dimensions(mm)

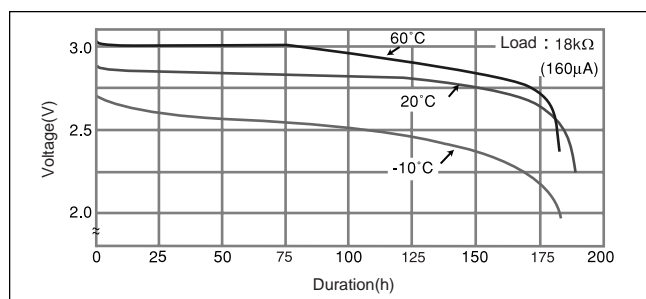


Weight:0.7g

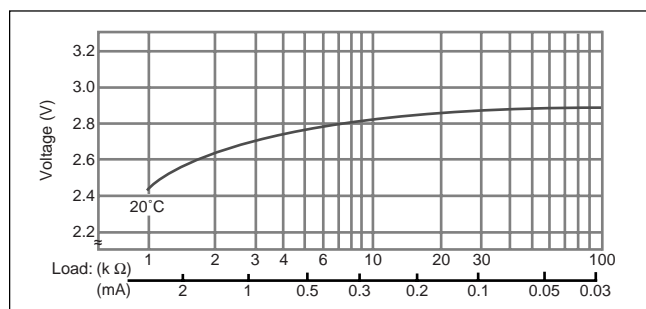
■ Specification

Nominal voltage (V)	3
Nominal capacity (mAh)	30
Continuous standard load (mA)	0.1
Operating temperature (C)	-30 ~ +60

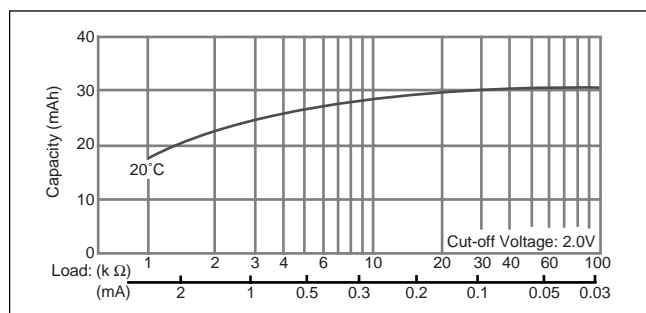
■ Temperature Characteristics



■ Operating voltage vs. load resistance (voltage at 50% discharge depth)

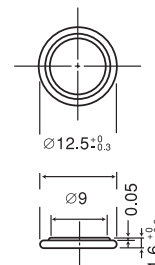


■ Capacity vs. load resistance



CR1216

■ Dimensions(mm)

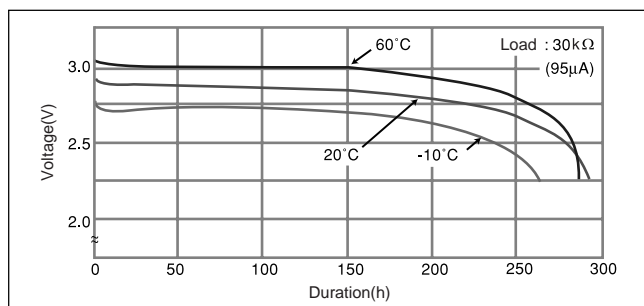


Weight:0.7g

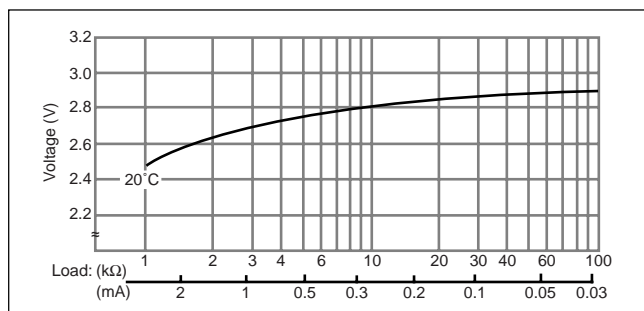
■ Specification

Nominal voltage (V)	3
Nominal capacity (mAh)	25
Continuous standard load (mA)	0.1
Operating temperature (C)	-30 ~ +60

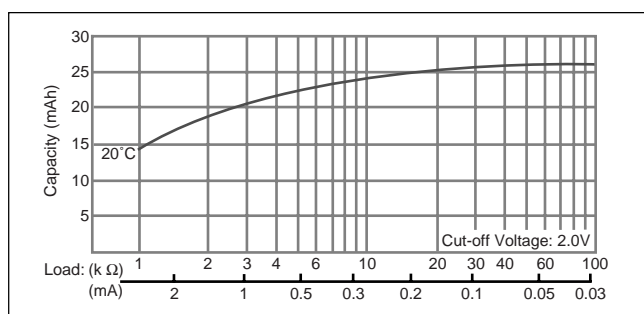
■ Temperature Characteristics



■ Operating voltage vs. load resistance (voltage at 50% discharge depth)



■ Capacity vs. load resistance



Coin Type Lithium Batteries

Manganese Dioxide Lithium Batteries (CR Series)

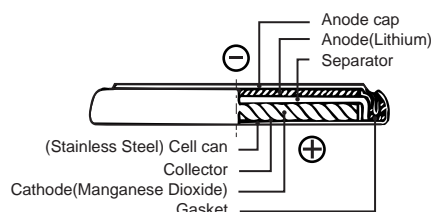


Features

As with the BR series of coin-type lithium batteries, these batteries feature a high energy density, and they were developed and commercialized via Panasonic's extensive experience and battery technology. These batteries have proven to be especially useful in equipment requiring relatively high currents.

Construction

Cutaway view



Applications

- Calculators
- Cameras
- Compact, low power consuming cordless appliances
- Electronic watches (digital and analog)
- Memory backup
- IC card



Note: Always confirm that the battery to be used is suitable for the intended application before purchase and/or use.

General Specifications

Model No.	Electrical Characteristics (20°C)			Dimensions (mm)		Weight (g)	JIS	IEC
	Nominal Voltage (V)	*Nominal Capacity (mAh)	Continuous Drain (mA)	Diameter	Height			
CR1025	3	30	0.1	10.0	2.5	0.7	CR1025	CR1025
CR1216	3	25	0.1	12.5	1.6	0.7	CR1216	CR1216
CR1220	3	35	0.1	12.5	2.0	1.2	CR1220	CR1220
CR1612	3	41	0.1	16.0	1.2	0.8	CR1620	-
CR1616	3	55	0.1	16.0	1.6	1.2	CR1616	CR1616
CR1620	3	75	0.1	16.0	2.0	1.3	-	CR1620
CR1632	3	140	0.1	16.0	3.2	1.8	-	-
CR2012	3	55	0.1	20.0	1.2	1.4	CR2012	CR2012
CR2016	3	90	0.1	20.0	1.6	1.6	CR2016	CR2016
CR2025	3	165	0.2	20.0	2.5	2.3	CR2025	CR2025
CR2032	3	225	0.2	20.0	3.2	2.9	CR2032	CR2032
CR2330	3	265	0.2	23.0	3.0	3.8	CR2330	CR2330
CR2354	3	560	0.2	23.0	5.4	5.8	CR2354	CR2354
CR2412	3	100	0.2	24.5	1.2	2.0	-	-
CR2450	3	620	0.2	24.5	5.0	6.3	CR2450	CR2450
CR2477	3	1000	0.2	24.5	7.7	10.5	-	-
CR3032	3	500	0.2	30.0	3.2	6.8	-	CR3032

* Nominal capacity shown above is based on standard drain and cut off voltage down to 2.0V at 20°C

Poly-carbonmonofluoride (BR Series) and Manganese Dioxide (CR Series)

COIN CELL TAB CONFIGURATIONS

Model Number	Tab Type		Configuration Diagram No.
	With Insulation Wrap	Without Insulation Wrap	
BR TYPE			
BR1220	/1HF	/1HE	1
BR1220	/1VC	/1VB	2
BR1225	/1HC	/1HB	3
BR1225	/1VC		4
BR1632	/1HF		5
BR2032	/1HM		6
BR2032		/1HG	7
BR2032	/1HS	/1HSE	8
BR2032	/1GUF	/1GU	9
BR2032	/1HF	/1HE	10
BR2032		/1VB	11
BR2032	/1GVF	/1GV	12
BR2032	/1F4		13
BR2032	/1F2		14
BR2325	/1HC	/1HB	15
BR2325	/1VC		16
BR2325		/1HG	17
BR2325	/2HC		18
BR2325		/1VG	19
BR2330	/1HF	/1HE	20
BR2330	/1GUF	/1GU	21
BR2330	/1VC	/1VB	22
BR2330	/1GVF	/1GV	23
BR2330	/1F3		24
BR2330	/1F4C		25
BR3032	/1VC		26
BR3032	/1F2		27

Model Number	Tab Type		Configuration Diagram No.
	With Insulation Wrap	Without Insulation Wrap	
CR TYPE			
CR1220	/1HF	/1HE	1
CR1220	/1VC	/1VB	2
CR1616		/1F2	28
CR1632	/1HF		29
CR2016	/1F2		6
CR2025	/1F2		30
CR2032		/1HU3	31
CR2032	/1VS1		32
CR2032		/1HG	8
CR2032	/1HS	/1HSE	9
CR2032	/1GUF	/1GU	10
CR2032	/1HF	/1HE	11
CR2032		/1VB	12
CR2032	/1GVF	/1GV	13
CR2032	/1F4		14
CR2032	/1F2		15
CR2330	/1HF	/1HE	20
CR2330	/1GUF	/1GU	21
CR2330	/1VC	/1VB	22
CR2330	/1GVF	/1GV	23
CR2330	/1F3		24
CR2330	/1F4C		25
CR2354	/1HF	/1HE	33
CR2354	/1GUF	/1GU	34
CR2354	/1VC	/1VB	35
CR2477	/1VC	/1VB	36
CR2477	/1HF	/1HE	37
CR2450	/H1A		38
CR2450	/G1A		39
CR3032	/1VC		26
CR3032	/1F2		27

Note: Refer to page 60 for BR "A" (High Temp) Tab configurations. Please contact Panasonic for requests on custom Tab configurations. Minimum order requirements may apply.