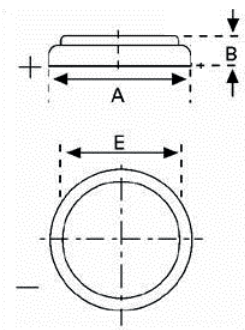


CR 2430



Type Number 6430
 Designation IEC CR 2430
 System Li-Manganese dioxide/
 Organic Electrolyte

UL Recognition MH 13654 (N)
 Nominal Voltage 3 V
 Typical Capacity C 300 mAh (Load 5,6 kOhm,
 at 20°C down to 2 V)

Weight (approx.) 4 g
 Volume 1,3 ccm
 Coding Date of Manufacturing
 Month/Year

Temperature Ranges min. max.
 Storage -55°C 70°C
 Discharge -20°C 70°C¹

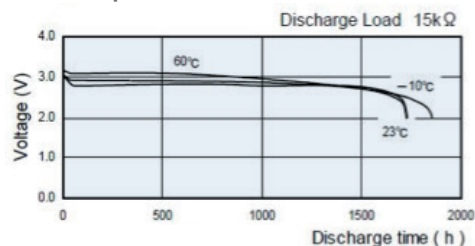
Dimensions min. max.
 Diameter (A) 24,20 24,50
 Height (B) 2,70 3,00
 Shoulder Diameter [E] 16,30 16,70

Typical Capacities (at 20°C)

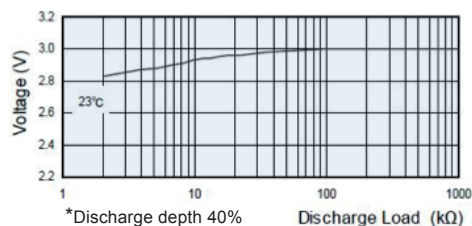
Discharge Type	Load	End Voltage: 2,0 V	
Continuous 24 h/d, 7 d/w Current [µA]	5600 Ω	Time:	600 h
		Capacity:	300 mAh
		Energy:	840 mWh

Performance Data

Temperature Characteristics

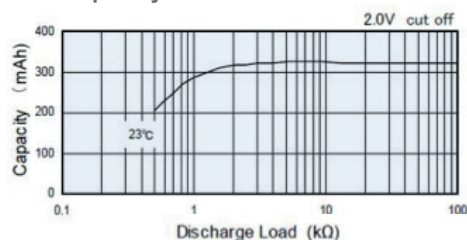


Operating Voltage vs. load resistance*



*Discharge depth 40%

Capacity vs. load resistance

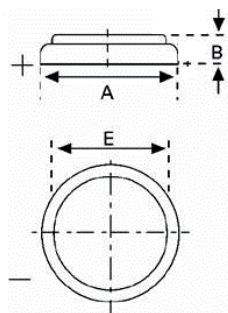


¹ Contact VARTA if the application is intended to be outside the range of -20°C to +70°C.

² depending on environmental condition and energy consumption

- Self-discharge rate < 1% at room temperature
- Storage life > 10 years
- Operating life² > 10 years

CR 2450



Type Number 6450
 Designation IEC CR 2450
 System Li-Manganese dioxide/
 Organic Electrolyte

UL Recognition MH 13654 (N)
 Nominal Voltage 3 V
 Typical Capacity C 620 mAh (Load 5,6 kOhm
 at 20°C down to 2 V)

Weight (approx.) 6,2 g
 Volume 2,3 ccm
 Coding Date of Manufacturing
 Month/Year

Temperature Ranges min. max.
 Storage -55°C 70°C
 Discharge -20°C 70°C¹

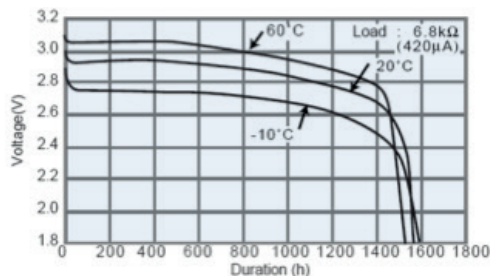
Dimensions min. max.
 Diameter (A) 24,20 24,70
 Height (B) 4,60 5,00
 Shoulder Diameter [E] 21,00

Typical Capacities (at 20°C)

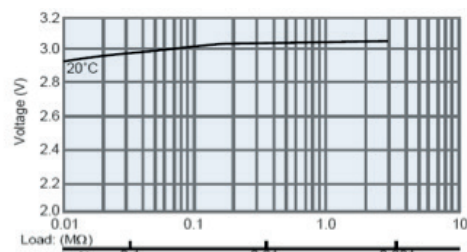
Discharge Type	Load	End Voltage: 2,0 V	
Continuous 24 h/d, 7 d/w	5600 Ω	Time: Capacity: Energy:	1250 h 620 mAh 1730 mWh

Performance Data

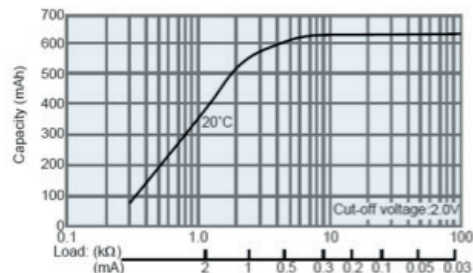
Temperature Characteristics



Operating Voltage vs. load resistance*



Capacity vs. load resistance



¹ Contact VARTA if the application is intended to be outside the range of -20°C to +70°C.

² depending on environmental condition and energy consumption

- Self-discharge rate < 1% at room temperature
- Storage life > 10 years
- Operating life² > 10 years

2.2 ASSEMBLIES

CR 1/3 N

Type	Order No.	A	B	C	D	E	F	G	H	I	K	L	Fig. No.	Remarks
CR 1/3 N	6131 101 501	11.6	10.8	0.4	-	7.8	-	-	-	-	-	-	1	-
CR 1/3 N PC PCB	6131 201 501	13.0	1.0	10.0	1.0 ±0.3	11.5 ±0.5	12.0 ±0.15	-	1.0 ±0.3	3.0	-	-	3	tag 0.25 mm
CR 1/3 N BE STO	6131 301 501	-	-	-	-	11.5	12.0	-	-	-	19.0	4.0	2	tag 0.25 mm 180°

Tag material: nickel plated sheet-steel. SLF: tip tinned.

Custom made assemblies are available on request for large volume.

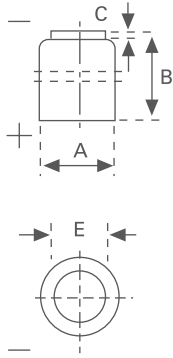


FIG. 1

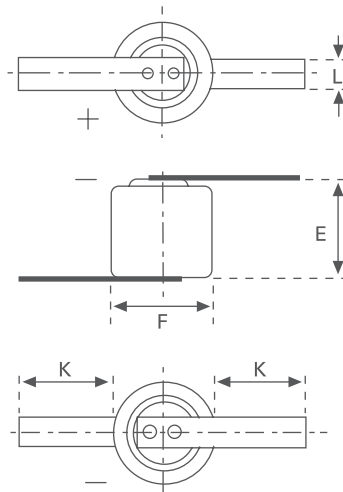


FIG. 2 LF

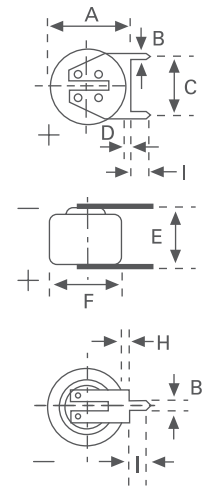


FIG. 3 SLF

CR Button

Type	Order No.	A	B	C	D	E	F	G	H	I	K	L	Fig. No.	Remarks
CR 1216	6216 101 501	12.5	1.6	0.2	-	10.0	-	-	-	-	-	-	4	
CR 1220	6220 101 501	12.5	2.0	0.3	-	10.0	-	-	-	-	-	-	4	
CR 1616	6616 101 501	16.0	1.6	0.2	-	12.0	-	-	-	-	-	-	4	
CR 1620	6620 101 501	16.0	2.0	0.02	-	12.9	-	-	-	-	-	-	4	
CR 2016	6016 101 501	20.0	1.6	0.1	-	-	-	-	-	-	-	-	4	
CR 2016 SC PCBD	6016 201 501	21.3	1.0	10.0±0.15	1.0 ±0.3	2.1 ±0.5	20.3±0.15	-	1.0 ±0.3	4.5	-	-	5	tag 0.25 mm
CR 2016 SC STO	6016 301 501	20.0	-	-	-	1.9	20.0	-	-	-	10.0	4.0	6	tag 0.15 mm
CR 2016 BE PCBD	6016 401 501	20.0	1.0	10.0	9.1	1.6	17.8	7.3	10.0	4.5	11.4	-	7	tag 0.15 mm
CR 2016 FM S STO	6016 301 012	20.5	3.5	1.8	3.0	2.2	-	-	-	-	-	-	-	

Tag material: nickel plated sheet-steel. SLF: tip tinned.
 Custom made assemblies are available on request for large volume.

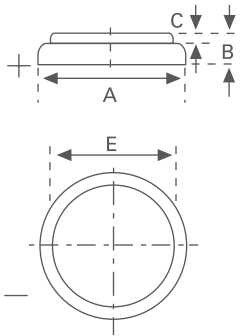


FIG. 4

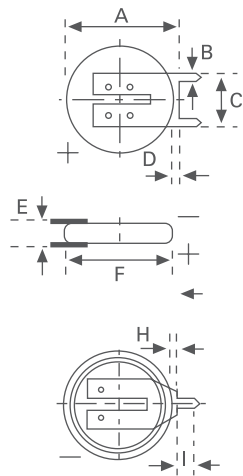


FIG. 5 SLF

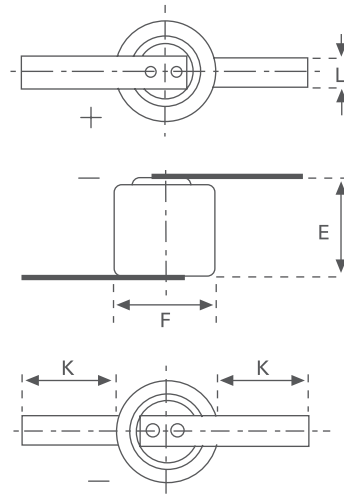


FIG. 6 LF

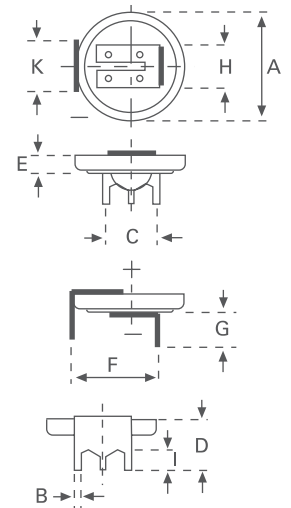


FIG. 7 PCB 3

CR Button

Type	Order No.	A	B	C	D	E	F	G	H	I	K	L	Fig. No.	Remarks
CR 2025	6025 101 501	20.0	2.5	0.2	-	-	-	-	-	-	-	-	8	-
CR 2025 ST	6025 201 501	21.3	1.0	10.0 ±0.2	1.0 ±0.3	3.0 ±0.5	20.3 ±0.15	-	1.0 ±0.3	4.5	-	-	9	tag 0.25 mm
CR 2025 SC STO	6025 301 501	20.0	-	-	-	2.8	20.3	-	-	-	10.0	4.0	10	tag 0.15 mm
CR 2025 BE PCBD	6025 401 501	20.0	1.0	10.0	10.0	2.8	17.8	7.3	10.0	4.5	11.4	-	11	tag 0.15 mm
CR 2032	6032 101 501	20.0	3.2	0.02	-	16.5	-	-	-	-	-	-	8	-
CR 2032 SC PCBD	6032 201 501	21.5	1.0	10.0	1.0 ±0.3	4.2	20.3	-	1.0	4.5	-	-	9	tag 0.25 mm
CR 2032 SC STO	6032 301 501	-	-	-	-	3.2	20.3	-	-	-	10.0	4.0	10	tag 0.15 mm
CR 2032 PCBD	6032 401 501	20.0	1.0	10.0	11.0	3.2	17.8	7.5	10.0	4.5	11.4	-	11	tag 0.25 mm
CR 2032 BE PCBS	6032 701 501	20.0	1.0	-	11.0	3.2	17.8	7.3	10.0	4.5	10.0	-	12	tag 0.20 mm
CR 2032 S WC ¹⁾	6032 101 013	20.7	-	-	-	5.5	30.0	-	-	-	96.0	2.0	13	tag 0.20 mm ²⁾
CR 2032 S STO	6032 101 012	20.0	7.0	2.8	5.0	3.8	-	-	-	-	-	-	14	-

Tag material: nickel plated sheet-steel. SLF: tip tinned.

¹⁾ using Molex 51021-03 connector (Other wire connectors and wire length are available on request.) ²⁾ in shrink sleeve with wire and connector

Custom made assemblies are available on request for large volume.

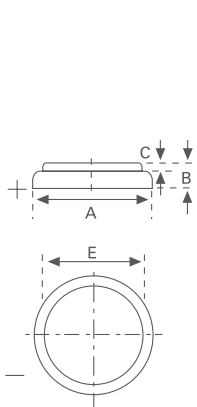


FIG. 8

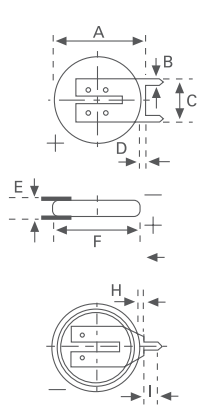


FIG. 9 SLF

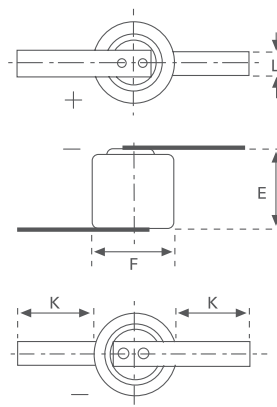


FIG. 10 LF

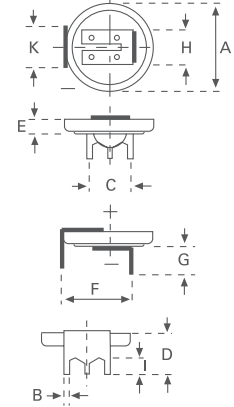


FIG. 11 PCB3

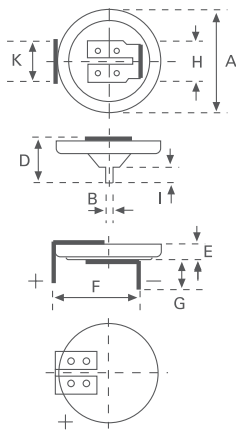


FIG. 12 PCB 2

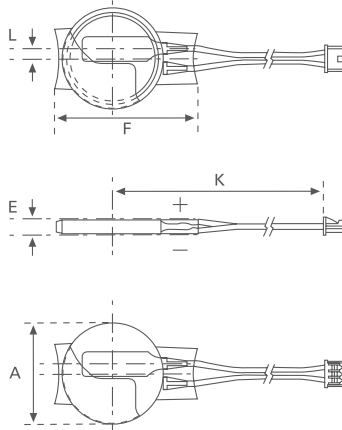


FIG. 13 WC

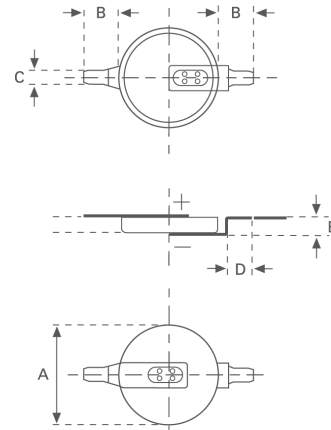


FIG. 14 SMT

CR Button

Type	Order No.	A	B	C	D	E	F	G	H	I	K	L	Fig. No.	Remarks
CR 2430	6430 101 501	24.5	3.0	0.3	-	20.0	-	-	-	-	-	-	15	-
CR 2430 SLF	6430 201 501	25.6	1.0	10.0	1.0	4.0	25.0	-	1.0	4.5	-	-	16	tag 0.25 mm
CR 2430 LF	6430 301 501	-	-	-	-	3.2	25.0	-	-	-	10.0	4.0	17	tag 0.15 mm
CR 2430 PCB 3	6430 401 501	24.5	1.0	10.0	11.0	3.0	17.8	7.5	10.0	4.5	11.4	-	18	tag 0.25 mm
CR 2430 PCB 2	6430 701 501	24.5	1.0	-	11.0	3.0	20.0	7.5	10.0	4.5	11.4	-	19	tag 0.20 mm
CR 2430 SMT	6430 301 012	24.5	5.2	4.0	5.0	3.3	-	-	-	-	-	-	20	-
CR 2450	6450 101 501	24.7	5.0	0.5	-	21.8	-	-	-	-	-	-	15	-
CR 2450 SLF	6450 201 501	25.6	1.0	10.0	1.0	6.0	25.0	-	1.0	4.5	-	-	16	tag 0.25 mm
CR 2450 PCB 3	6450 401 501	24.5	1.0	10.0	13.2	5.0	17.8	7.5	10.0	4.5	11.4	-	18	tag 0.25 mm
CR 2450 PCB 2	6450 701 501	24.7	1.0	-	12.7	5.0	17.8	7.5	10.0	4.5	11.4	-	19	tag 0.20 mm
CR 2450 SMT	6450 301 013	24.5	4.5	2.8	3.5	5.3	-	-	-	-	-	-	20	-

Tag material: nickel plated sheet-steel. SLF: tip tinned.

1) using Molex 51021-03 connector (Other wire connectors and wire length are available on request.)

2) in shrink sleeve with wire and connector

Custom made assemblies are available on request for large volume.

