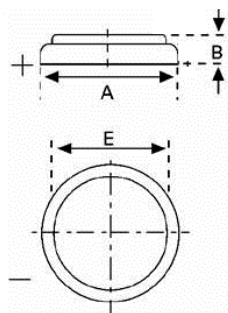


# CR 2450



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°C<sup>1</sup>

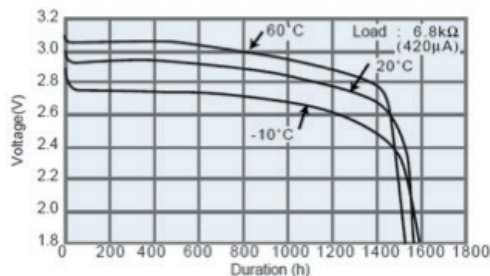
**Dimensions**                      min.      max.  
 Diameter (A) ..... 24,20      24,70  
 Height (B) ..... 4,60      5,00  
 Shoulder Diameter [E] ..... 21,00

### Typical Capacities (at 20°C)

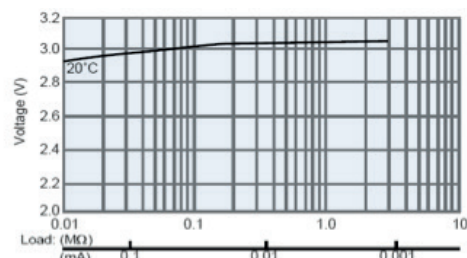
Discharge Type	Load	End Voltage: 2,0 V	
Continuous 24 h/d, 7 d/w	5600 Ω	Time: Capacity: Energy:	1250 h 620 mAh 1730 mWh

## Performance Data

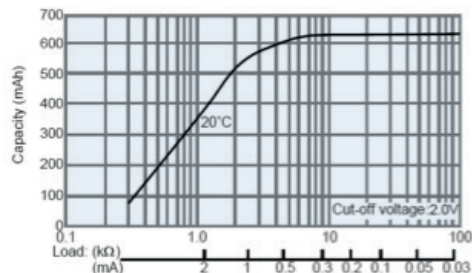
### Temperature Characteristics



### Operating Voltage vs. load resistance\*



### Capacity vs. load resistance



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

<sup>2</sup> depending on environmental condition and energy consumption

- Self-discharge rate < 1% at room temperature
- Storage life > 10 years
- Operating life<sup>2</sup> > 10 years

CR Button

Type	Order No.	A	B	C	D	E	F	G	H	I	K	L	Fig. No.	Remarks
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.

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

<sup>2)</sup> in shrink sleeve with wire and connector

Custom made assemblies are available on request for large volume.

