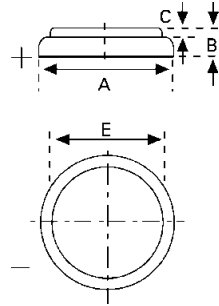


## CR 1616



Type Number ..... 6616  
 Designation IEC ..... CR 1616  
 System ..... Li-Manganese dioxide/  
 Organic Electrolyte

UL Recognition ..... MH 13654 (N)  
 Nominal Voltage ..... 3 V  
 Typical Capacity C ..... 55 mAh (Load 39 kOhm,  
 at 20°C down to 2 V)

Weight (approx.) ..... 1,2 g  
 Volume ..... 0,3 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) ..... 15,70    16,00  
 Height (B) ..... 1,40    1,60  
 Shoulder Diameter [E] ..... 12,00  
 Shoulder Height [C] ..... 0,20

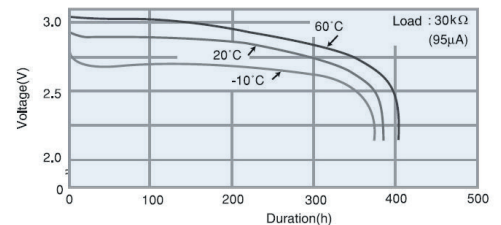
### Typical Capacities (at 20°C)

DISCHARGE TYPE	LOAD	END VOLTAGE: 2,0 V
Continuous 24 h/d, 7 d/w Current	15000 Ω	Time: 450 h Capacity: 90 mAh Energy: 270 mWh
	200 μA	

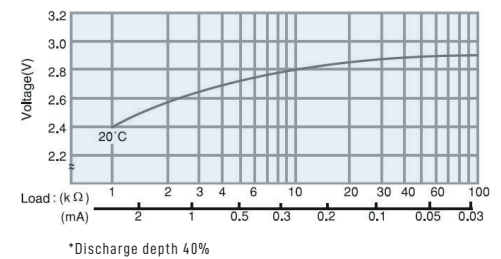
<sup>1</sup> Contact VARTA if the application is intended to be outside the range of -20°C to +70°C.  
<sup>2</sup> depending on environmental condition and energy consumption

### Performance Data

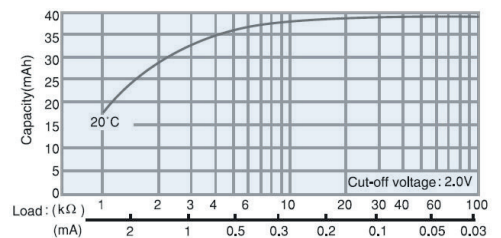
#### Temperature Characteristics



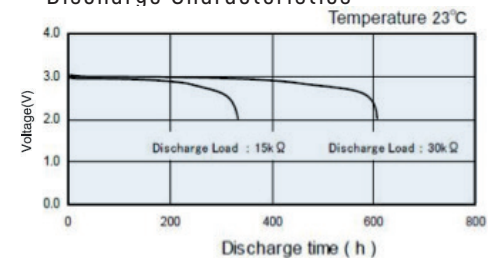
#### Operating Voltage vs. load resistance\*



#### Capacity vs. load resistance



#### Discharge Characteristics



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