

Data Sheet

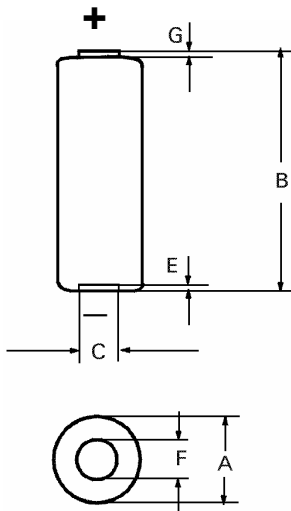
**Type Number** ..... 4223  
**Designation IEC** ..... ---  
**System** ..... Manganese Dioxide /  
 Zinc / KOH - Electrolyte

**Nominal Voltage** ..... 12 V  
**Typical Capacity C** ..... 50 mAh  
 Load 20 KOhm, at 20°C down to 8.0 V

**Weight (approx.)** ..... 7,9 g  
**Volume** ..... 2,3 ccm

**Temperature Ranges** min max.  
 Storage ..... -10°C 65°C  
 Discharge ..... -10°C 65°C

**Dimensions** min max.  
 Diameter (A) ..... 9,6 10,3  
 Height (B) ..... 27,5 28,5  
 Shoulder Diameter [F]..... 5,2 5,8  
 Shoulder height [G]..... 0,5  
 Reverse Shoulder Diameter [C]..... 5,2 5,8  
 Reverse Shoulder Height [E]..... 0,3



**Segment** ..... Photo  
**Main Applications** ..... Watch  
 Photo  
 Electronic Devices

**Typical Capacities (at 20°C)**

Discharge Type	Load	End Voltage:	8.0 V
Continuous 24h/d,7d/w Current [µA]:	20000 Ω	Time: Capacity [mAh]: Energy [mWh]:	95 h 50 520

All Data contained herein is for single cells

For battery applications, performance data may vary from single cell data, depending on specific battery configuration

VARTA Microbattery GmbH, Daimlerstr. 1, D-73479 Ellwangen/Jagst  
 Tel.: (+49) 7961/921-0, Telefax: (+49) 7961/921-553

Subject to change without prior notice!  
 Date of issue 2010-10-01