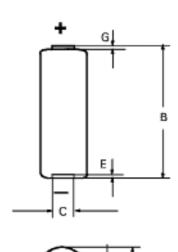




Alkaline Manganese

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 Hanges	min	max.
Storage	-10°C	65℃
Discharge		65℃
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]		3.0

Segment Photo

Main Applications Watch Photo

Electronic Devices

Typical Capacities (at 20 °C)

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

No publication or circulation of data to third parties without consent of VARTA Consumer Batteries

Phone: (+49) 7961/83-0, Fax: (+49) 800-827-8274

^{*} In consideration of typical loss of capacity at storage and application.