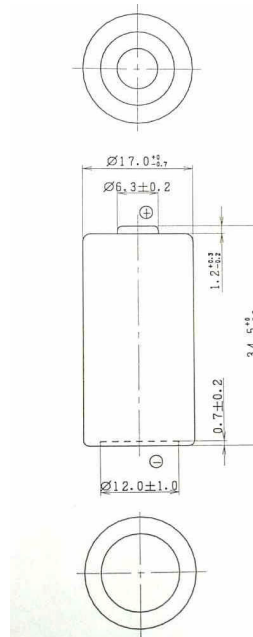



battery system:	Manganese Dioxide Lithium Battery	
	conditions, remarks	
nominal voltage:	3,0V	
off load voltage	3,1... 3,4V	new battery
closed circuit voltage	2,9... 3,35V	measured after 1s under load of 50ohm
capacity:	1400mAh	continuous discharge under 200ohm load 2,0V end discharge voltage ambient temperature 20°C
duration time:		
initial	under 100ohm load 2,0V end discharge voltage	
	> 45min	at 60°C
	> 47min	at 23°C
	> 37min	at -20°C
after 12 months storage at 23°C	> 42min	at 60°C
	> 45min	at 23°C
	> 35min	at -20°C
initial	under pulse discharge load, load 1,2A for 3s, rest for 7s 1,3V end discharge voltage	
	> 1000 cycles	at 60°C
	> 1000 cycles	at 23°C
	> 550 cycles	at -20°C
after 12 months storage at 23°C	> 900 cycles	at 60°C
	> 900 cycles	at 23°C
	> 450 cycles	at -20°C
self discharge:	2%	per year, storage at 20°C
temperature range:	-40... 60°C	operating temperature
	10... 30°C	storage (recommended)
relative humidity:	<60%	storage
mechanical specifications:		
weight	approx. 17g	



	specifications for model/type:	CR123A Lithium battery
	Ansmann drawing number / part number:	5020012
	drawn by / date:	Gramlich / 15.05.2003