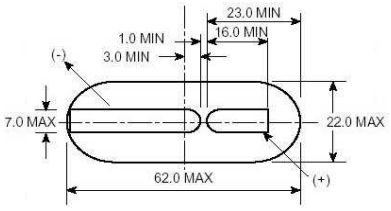
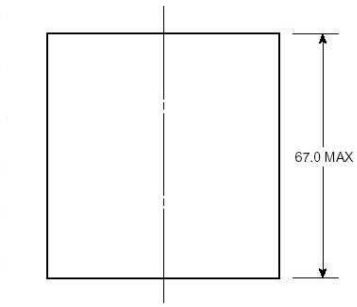
battery type:			Zinc - Carbon (Mercury free)
battery size:			IEC: 3R12; JIS: 3R12; MN1203; 1289
chemical system:			Zn / MnO_2
			Conditions
nominal voltage:	4.5	V	
open circuit voltage:	4.7…5.1	V	new battery
	4.5…5.1	V	after 1 year storage at 20°C
capacity			all measurements at 20°C ambient
rated:	2000	mAh	discharge at 220ohms load; 4hours/day End Voltage (EV): 2.7V
	2100	mAh	discharge at 10mA load; 24hours/day End Voltage (EV): 2.7V
			for IQC mesurement:
discharge time:	≥ 230	min	at 11.7ohms constant resistance discharge End Voltage (EV): 2.7V
typical service output (new battery)			
	115	h	load resistor: 220ohms; EV: 2.7V discharge 4h/d
	9.6	h	load resistor: 20ohms; EV: 2.7V discharge 1h/d
	240	min	load resistor: 11.7ohms; EV: 2.7V discharge 24h/d
internal resistance:	≤ 3	Ω	at 1kHz, sine wave measurement according to IEC 896-2
shelf life:	≥ 3	years	under proper storage conditions
leakage resistance			
over discharge:	no leakage		20ohms continuous discharge for 48h; ta: 20°C; RH: 60±15%
high temperature:	no leakage		store 25days at ta: 60°C; RH: ≤ 70±5%
ambient temperature range:	- 10...50	°C	
recommended storage conditions:	5....25	°C	ambient temperature
	45...75	%	rel. humidity



mechanical specifications

cell dimensions			
width:	22.0	-1	mm
length:	62.0	-2	mm
height:	67.0	-4	mm
weight:	102	± 5	g



ANSMANN	**ANSMANN Specifications for model:**	**Ansmann 3R12 Heavy Duty**
	data sheet no. / part no.	
	s.n.	705162
	author / date	TG / 19.08.2026

Manufacturer reserves the right to alter or amend the design, model and specification without prior notice