PRODUCT SPECIFICATION	3 pages	
Individual Product Specification		
Specifications for Prismatic Zinc Carbon Battery 3R12R		
Date of stipulation: Stipulated	Described	
1992-03-02		

PRODUCT SPECIFICATION	Mix
Individual Product Specification	

1. Battery identification name 3R12R

type Leclanché/MNO<sup>2</sup>/ Zn / NH<sub>4</sub>Cl electrolyte

nominal voltage 4.5 V average weight 110 gr. manufactured Made in EU

2. Battery dimensions As per attached drawing

Volume: 84.4 cm<sup>3</sup>

3. Typical battery performance Discharge modes

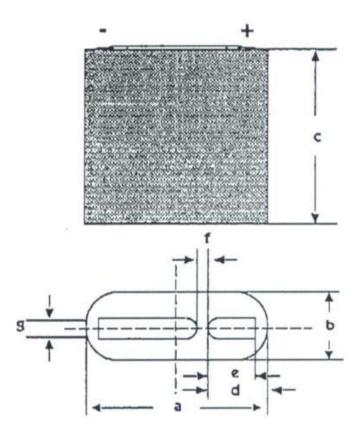
Test	Resistance	Daily period	End	Result	Ampère
			point		
	15 Ω	4 min/h, 8h/d , 7 d/w	3.0/2.7	310m/380m	1.18/1.40
			V		
	10 Ω	10 min/d , 7 d/w	3.0/2.7	225m/280m	1.21/1.46
		·	V		
	75 Ω	4h/d, 7 d/w	3.0/2.7	28h/31h	1.35/1.47
		·	V		

## Open circuit voltage (OCV) Minimum average duration

	Initial*	After 12 months
		storage **
OCV (at 20±2°C)	4.5 V	
Min. aver. duration (at 20±2 <sup>0</sup> C)***	22.0 h	

- \* The initial discharge test shall commence with 30 days since manufacture. During this period, the batteries are kept under the condition of 20±2°C.
- \*\* During this period, the batteries shall also be kept under the condition of 20±2°C.
- \*\*\* 220  $\Omega$ , at 20°C down to 2.7 V
- 4. Mercury and Cadmium contents

No Mercury (Hg) and Cadmium (Cd) are used in battery.



Dim	Max	Min
a	62 mm	60 mm
b	22 mm	20 mm
c	67 mm	63 mm
d		23 mm
e		16 mm
f		1 mm
g	7 mm	6 mm

