

Datasheet

1.5V Alkaline N Battery

RS Stock number [749-2623](#)



Description:

Alkaline Manganese Dioxide battery for general purpose applications.

Specifications:

Chemistry:	Alkaline
Dimensions:	30.2 x 12 mm
Nominal Voltage:	1.5 V
Nominal Capacity:	900 mAh
Size:	N
Terminal Type:	Standard
Weight:	9 ± 0.5 g
Shelf Life:	36 Months

Performance:

Battery service life should meet the values as stated in Table 1.

Table 1

Discharges					
Test condition			Average duration ¹⁾ at 20°C		
Load	Daily period	End voltage	Initial	After 12 months storage ²⁾	After 36 months storage ²⁾
300Ω	24 h/d	0.9V	220.0 h	195.0 h	176.0h
20Ω	24 h/d	0.9V	11.8h	10.2 h	9.4 h
5.1Ω	24 h/d	0.9V	2.5 h	2.1 h	1.9h

- 1) Average service life will be calculated without the highest and the lowest of 9 samples.
- 2) Storage conditions: Temperature 20 ± 2 °C and the Relative Humidity shall be $65 \pm 20\%$

Heavy Metal Content:

Mercury (Hg) content should be less than 2%
 Cadmium (Cd) content should be less than 5 ppm
 Lead (Pb) content should be less than 5 ppm

Quality Assurance:

DESCRIPTION	AQL
Battery dimensions	0.65%
Appearance	1.00%
Off load voltage	0.65%
On load voltage	1.00%
Service Output	Note 1
Leakage 6.1	0.65% (Note 2)
6.2	Note 3
6.3	Note 4

Note 1: Acceptance / rejection in accordance with IEC publication (1993) 86-1 Sub-Clause 8.8

Note 2: Leakage on arrival at warehouse is within 2 months after shipping

Note 3: Sample size: $n = 20$, Judgement: $Ac = 1$, $Re = 2$

Note 4: Sample size: $n = 20$, Judgement: $Ac = 0$, $Re = 2$

Precaution and Handling:

Do not disassemble or short-circuit batteries.

Do not recharge batteries.

Do not dispose of batteries in fire.

Do not allow metal objects to contact the battery terminals.

Do not mix with used or other battery type (such as alkaline with carbon zinc).

Do not solder the batteries directly. If soldering or welding connection to the battery is required, consult our engineer for proper methods.

Do not over-discharge batteries. Force discharging batteries by external power source in a series may cause explosion.

To install or remove batteries, follow the equipment manufacturer's instructions.

Keep battery away from small children. If swallowed, consult a physician at once.

Remove batteries from device when it is not in use.

Storage:

Store in a cool, dry place before use.

Do not keep batteries at a temperature of 45°C or above.

Do not keep batteries at relative humidity of 75% or above.

Dimensional Drawings:

