

**battery type:** Alkaline Manganese (Mercury free)  
**battery size:** IEC: LR20; JIS: AM-1; ANSI: 13A; MN1300; Mono  
**chemical system:** Zn / KOH-H<sub>2</sub>O / MnO<sub>2</sub>

**nominal voltage:** 1.5 V  
**open circuit voltage:** 1.58...1.68 V new battery  
 1.55...1.68 V after 1 year storage at 20°C

**capacity** all measurements at 20°C ambient  
 rated: 16000 mAh discharge at 25mA load; 24h/day  
 End Voltage (EV): 0.8V  
 13500 mAh discharge at 2.2ohms load; 1h/day  
 End Voltage (EV): 0.8V

**minimum:** 17.5 h at 2.2ohms constant resistance discharge  
 (for IQC measurement) 24h/d; End Voltage (EV): 0.9V

**typical service output**

Load		2.2Ω	600mA	2.2Ω	2.2Ω
Test mode		24h/d	2h/d	1h/d	4m/15m 8h/d
End voltage		0.9V	0.9V	0.8V	0.9V
Unit		h	h	h	h
Applications		Reference	Portable stereo	Toy	Portable lighting
Initial	Normal	19.0	16.5	24.5	22.5
	MAD	17.5	15.0	22.5	21.0
Stored 1year	Normal	18.0	15.5	23.0	22.0
	MAD	17.0	14.0	20.5	20.0

**internal resistance:** ≤ 0.15 Ω at 1kHz, sine wave measurement  
 (new battery) according to IEC 896-2

**shelf life:** 7 years under proper storage conditions

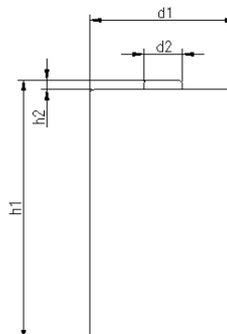
**leakage resistance**  
 over discharge: no leakage 10ohms continuous discharge for 48h; ta: 20°C; RH: 60±15%  
 high temperature: no leakage store 20days at ta: 60°C; RH:90±5%

**ambient temperature range:** - 10...50 °C

recommended storage conditions: 5...25 °C ambient temperature  
 45...75 % rel. humidity

**mechanical specifications**

cell dimensions  
 diameter d1: 34.2 - 1.9 mm  
 diameter d2: max. 9.5 mm  
 height h1: 61.5 - 2.0 mm  
 height h2: min. 1.5 mm  
 weight: 142 ± 5 g



	<b>ANSMANN Specifications for model:</b>	<b>Super Quality Alkaline Battery D - size</b>
	data sheet no. / part no.	
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