

Primary lithium battery system

BA 5372

6 V Primary lithium manganese dioxide (Li-MnO₂) battery

The battery consists of 2 LM 17130 cells connected in series, arranged in a cylindrical construction with nickel plated button terminals at either end.

Key Features

- No passivation delay effect
- Low self-discharge rate
- Long shelf life
- Nickel plated button terminals
- Mylar sleeve
- Non-restricted to Class 9

Typical applications

- Memory hold
- AN/GRC-210
- AN/PRC-119
- AN/PSQ-4
- PATRIOT
- Others



Electrical characteristics

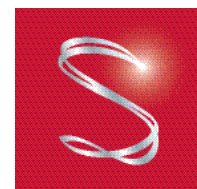
Nominal OCV	6.5 V
Operating voltage	5.6 V
Cut-off voltage	4 V
Maximum constant current	300 mA
Maximum pulse current	400 mA
Typical capacity at 20 mA to 4V cut-off	
at 70°F(21°C)	560 mA at 4.5 mA at 4V cut-off
at -4°F(-20°C)	450 mA at 4.5 mA at 4V cut-off
Operating temperature	-29°C to +71°C / -20°F to +160°F
Storage temperature	
Recommended maximum	+35°C / +95°F
Possible	-40°C to + 71°C / -40°F to +160°F

Physical characteristics

	Metric	Imperial
Maximum weight	20 g	0.7 oz
Weight of Li metal content	0.4 g	—
Diameter (max) body	16.8mm	0.66 in
Length (max)	33 mm	1.3 in

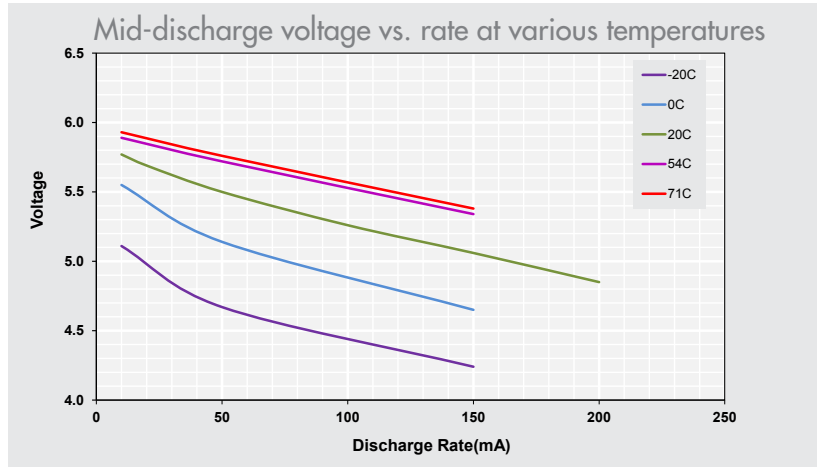
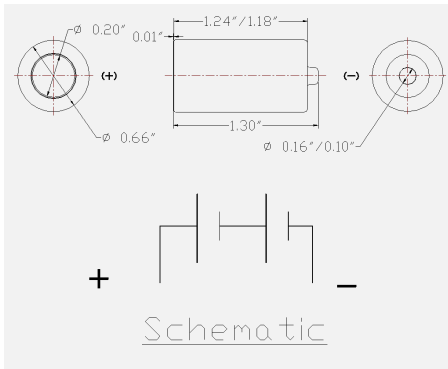
References

Reference specifications	MIL-PRF-32271 or Saft standard specification
NATO Stock Number	6135-01-214-6441



SAFT

BA 5372

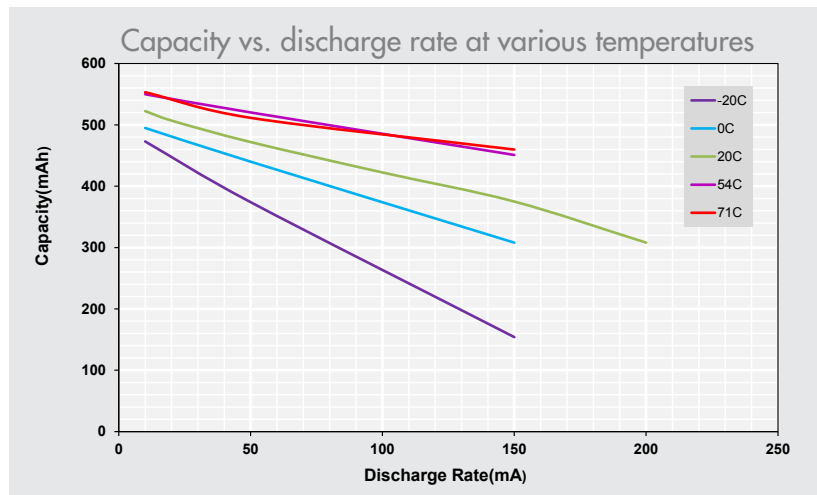
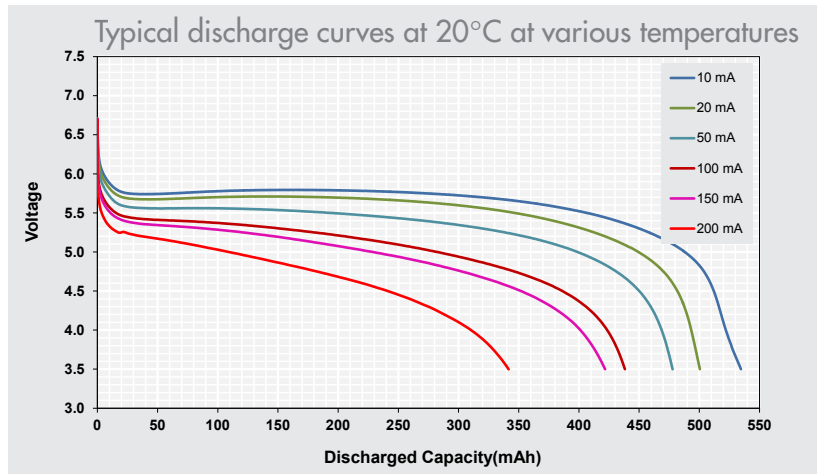


Storage

- Store in dry area not >30°C

Handling

- Do not disassemble
- Do not short circuit
- Do not charge
- Do not incinerate



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Doc N° 32043-2-0713
 Edition: July 2013
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