

9 Volt Lithium Battery



A prismatic battery pack for a wide range of applications requiring low level base currents combined with superimposed pulses of up to 200mA operating over a wide temperature range.

Two options are available offering either maximum capacity (LS C 9V) or maximum pulse capability (LS 9V). Both batteries offer the advantages of lithium thionyl chloride technology.

Key features

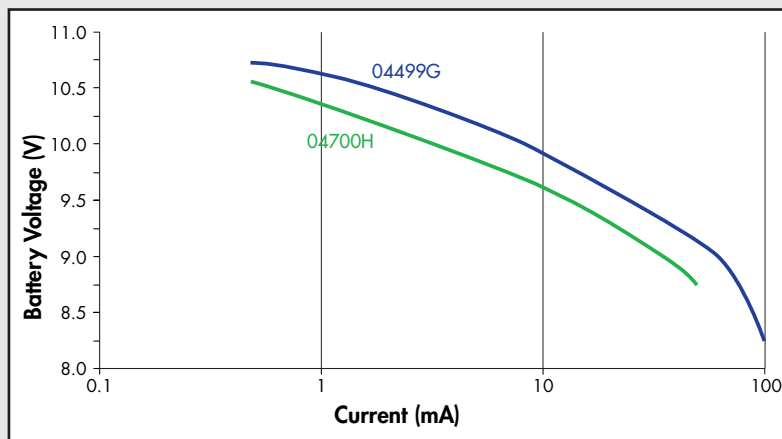
- Packs comprise three 1/2 AA size (UL recognised) cells connected in series.
- Lithium-thionyl chloride (Li-SOCl₂) electrochemical system.
- Two versions depending on the individual cell types incorporated.
- Cells with hermetic glass-to-metal sealing.
- Battery housing: plastic sleeve.
- Terminals: miniature snap-on.
- Non restricted for transportation.

Main applications

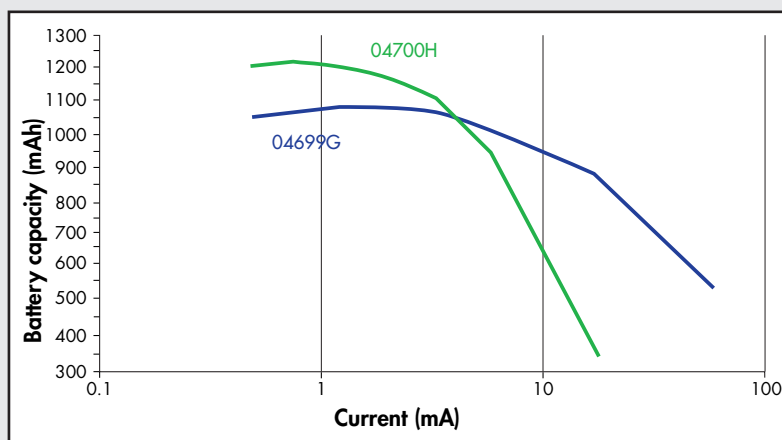
- Alarm and security devices
- Smoke detectors
- Professional electronics
- Memory back-up
- Measuring equipments
- Etc.

Pack design	3 LS 14250 cells in series	3 LS 14250 C cells in series
Pack designation	LS 9V	LS C 9V
Part number	04699G	04700H
Open circuit voltage	11.0 V	10.9 V
Nominal voltage (at +20°C and given current)	9.0 V (60 mA)	9.0 V (35mA)
Nominal capacity (+20°C 6.0 V cut-off and given current)	1.00 Ah (1.5 mA)	1.20 Ah (0.5 mA)
Continuous current to achieve 50% of the nominal capacity (+20°C 6.0 V cut-off)	40 mA	12 mA
1 sec/mn pulse capability (to start above 7.5 V at +20°C)	200 mA	100 mA
Storage	+30°C max. (recommended) -60/+100°C (possible)	
Operating temperature	-60/+85°C	
Weight	28 grams	

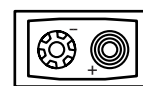
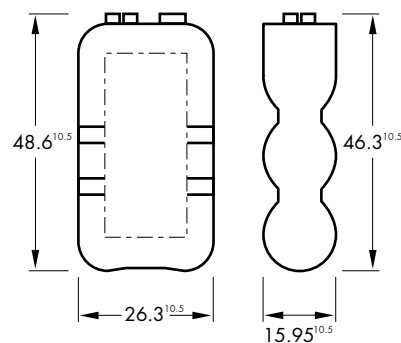
Battery voltage at mid-discharge versus Current at +20°C



Capacity (2.0 Volt cut off) versus Current at +20°C



9 Volt Lithium Battery



dimensions in mm

S A F T

156, avenue de Metz
93230 Romainville (France)
Phone +33 (0)1 49 15 34 20
Fax +33 (0)1 49 15 36 24
www.saft.alcatel.com
DOC. N° 05 99-31022-2
Published by the Communication Department

Information in this document is subject to change without notice and become contractual only after written confirmation by Saft.