Primary Lithium Battery

ER14505 3.6V 2.7Ah

3.6V Primary lithium-thionyl chloride
(Li-SOCl2) Energy Type

For low drain/long term operating applications requesting superior voltage response in -55˚C ～+ 85˚C environments

Cell size references	UM3-R6-AA
Alternative models	LS14500/LST14500/LS14500C/TL4903/TL5903/SB-AA01

Electrical characteristics

(Typical values relative to cells stored for one year or less at +30˚C max.)

Nominal capacity (At 1mA +20˚C,2.0V cut off.The capacity restored varies according to current,temperature,cut off)	2.7Ah
Open circuit voltage(At 20˚C)	3.66V
Nominal voltage (At 1mA +20˚C)	3.6 V
Max. continuous current (at +20˚C)	100mA
Typical Max. Pulse current (at +20˚C)	200mA

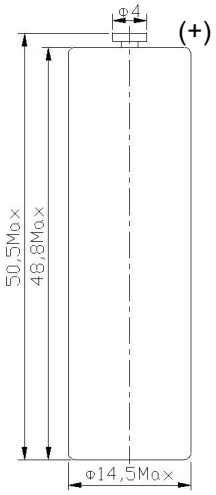
Pulse capability:Typically up to 200mA (200mA/0.1second pulses drained every 2min at 20˚C from cells with 20μA base current,yielding voltage readings above 3.0V.The readings may vary according to pulse characteristics,temperature and cell's previous history.Fitting the cell with a capacitor may be recommended in severe conditions.Consult ACT if necessary)

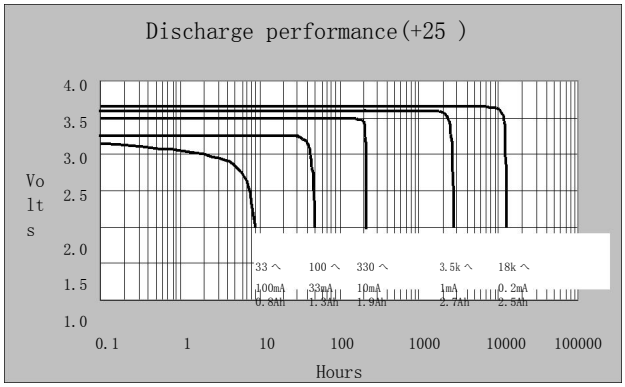
Storage (recommended)	+30˚CMax
Operating temperature range (High and low temperature will lower the capacity and load voltage.)	-55˚C~+85˚C

Physical characteristics

Diameter(Max)	14.5mm
Height(Max)	50.5mm
Typical weight	17g
Available terminal suffix	radial tabs,radial pins,axial leads,flying leads

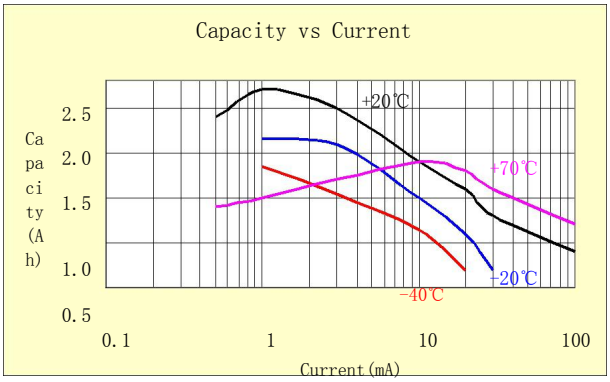
ER14505





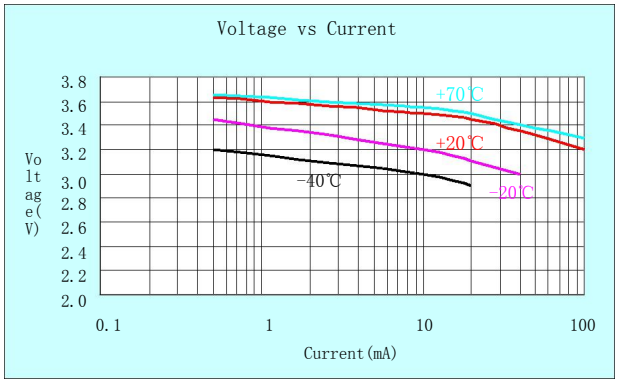
Key features

>High and stable load voltage
>Superior drain capacity >Low self-discharge rate
(less than 1% after 1 year of storage at 20°C)
>Stainless steel container
>Hermetic glass-to-metal sealing
>Laser welding
>Non-flammable electrolyte



Main applications

>Radiocommunication and other military applications
>Alarms and security systems
>Beacons and emergency location transmitters >GPS equipment
>Metering systems
>Led lighting applications
>Others



Storage

>Cells should be stored in a clean &dry(less than 70% RH) area
>Temp. should not exceed +30°C

Warning

>Do not use if cell casing is mangled
>Do not use different model of cell in series
>Soldering the tag should be finished in few seconds
>Do not try to recharge