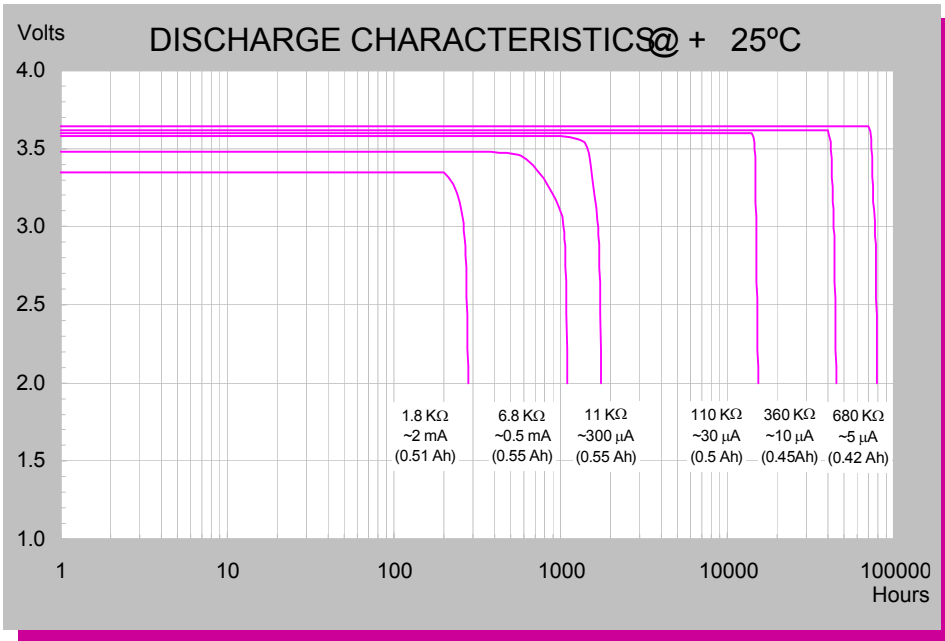# MODEL TL-2450
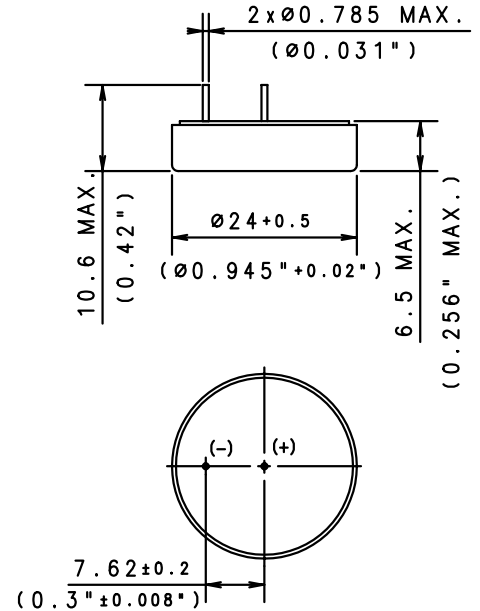
With Bottom Insulator

TECHNICAL DATA

(Typical values @+25ºC for batteries stored for one year or less)
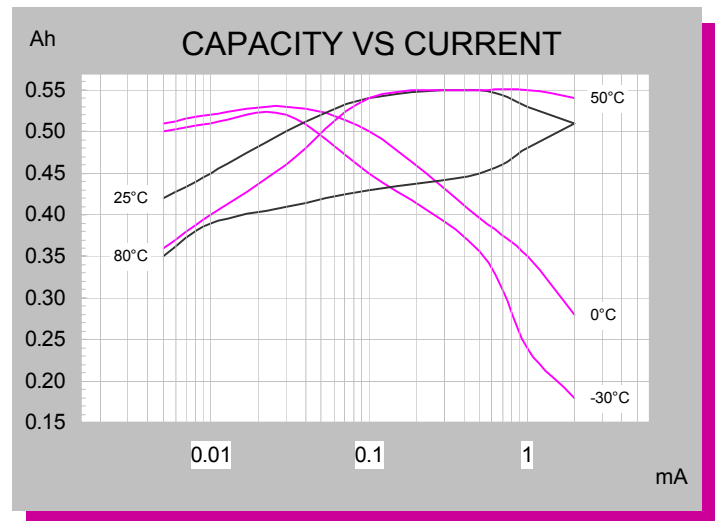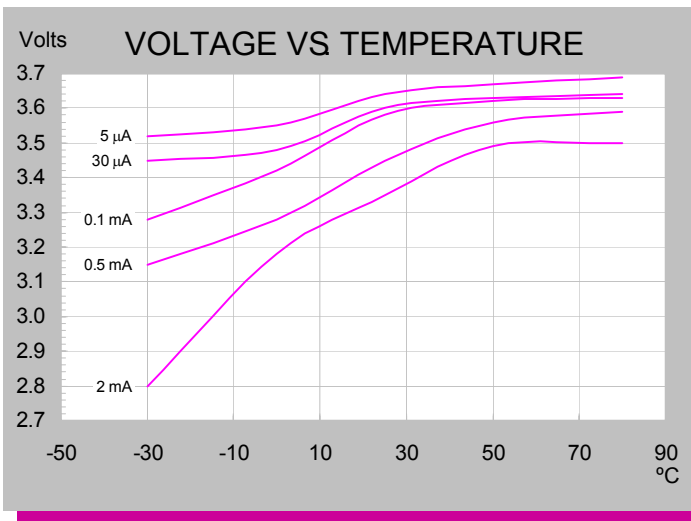
- Nominal capacity @ 0.5 mA, to 2V   0.55 Ah
- Rated voltage   3.6 V
- Maximum recommended continuous current   5 mA
- Maximum pulse current capability   10 mA
- Weight   8.8g (0.310 oz)
- Volume   2.60 cc
- Operating temperature range   -55ºC to +85ºC
- Li metal content   approx. 0.2 g
- U.L. Component Recognition MH 12193

DISCHARGE CHARACTERISTICS@ + 25ºC

| 1.8 KΩ
~2 mA
(0.51 Ah) | 6.8 KΩ
~0.5 mA
(0.55 Ah) | 11 KΩ
~300 µA
(0.55 Ah) | 110 KΩ
~30 µA
(0.5 Ah) | 360 KΩ
~10 µA
(0.45Ah) | 680 KΩ
~5 µA
(0.42 Ah) |

$2 \times \varnothing 0.785$ MAX.
$(\varnothing 0.031")$

10.6 MAX.
$(0.42")$

$\varnothing 24 + 0.5$
$(\varnothing 0.945" + 0.02")$

6.5 MAX.
$(0.256"$ MAX.$)$

(−)   (+)

7.62 ± 0.2
$(0.3" \pm 0.008")$

ADDITIONAL INFORMATION

SUFFIX- /P   TIN PLATED NICKEL PINS
CATALOGUE NO.:   15-2450-41000

VOLTAGE VS TEMPERATURE
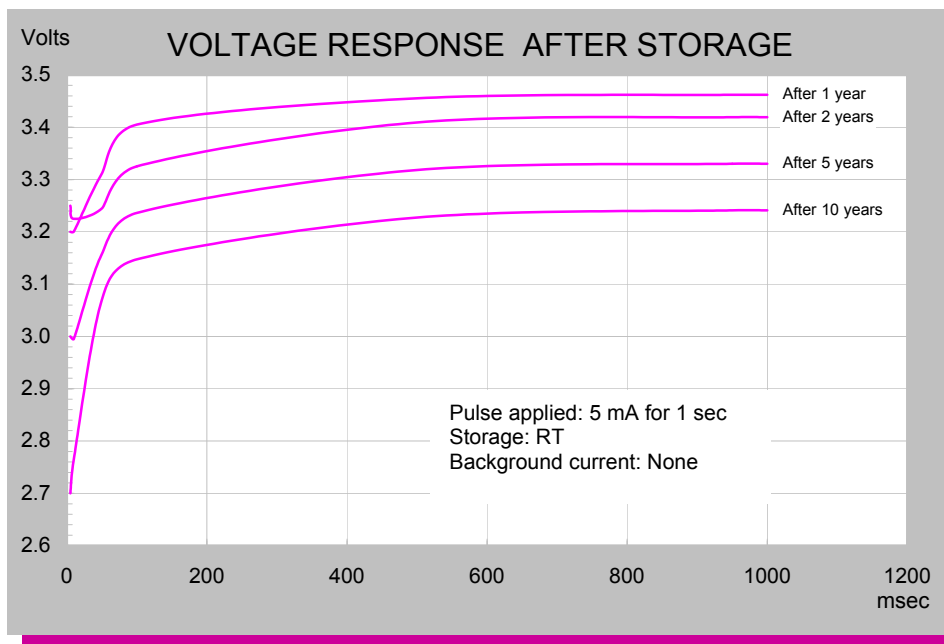

CAPACITY VS CURRENT

iXtra - Long Term High Performance

Note: Any presentations in this data sheet concerning performance are for information purpose only and are not construed as warranties either expressed or implied, of future performance.

TL-2450

CELL FEATURES

- 3.6 V Primary lithium-thionyl chloride (Li-SOCl2)
- Fast voltage recovery after long term storage and/or usage
- High energy density
- High and stable operating voltage
- Low self discharge rate
- 10 years shelf life
- Wafer construction
- Hermetic glass-to-metal-sealing
- Non-flammable electrolyte
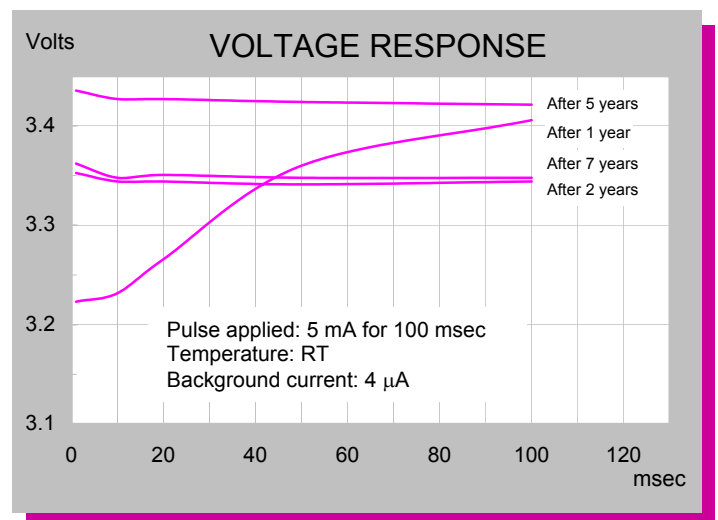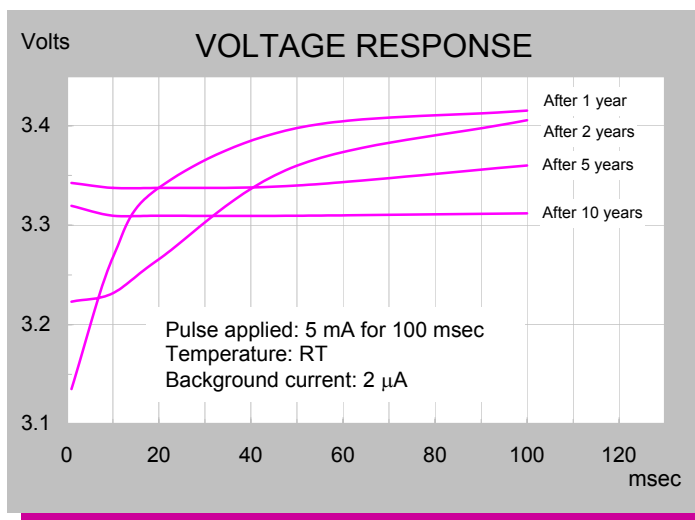- Non-restricted for transportation

MAIN APPLICATIONS

- Utility meters (elect., water & gas)
- Automatic meter reading
- RF systems
- Sensors & monitoring systems
- Tracking systems
- Wireless security systems
- Automotive electronics
- Industrial electronics
- Ultra Low Power (ULP)

STORAGE CONDITIONS

- Cells should be stored in a clean & dry (less than 30 % RH) area

For updated information please visit our website **www.tadiranbat.com**

VOLTAGE RESPONSE AFTER STORAGE

Volts

After 1 year
After 2 years
After 5 years
After 10 years

Pulse applied: 5 mA for 1 sec
Storage: RT
Background current: None

VOLTAGE RESPONSE

Volts

After 1 year
After 2 years
After 5 years
After 10 years

Pulse applied: 5 mA for 100 msec
Temperature: RT
Background current: 2 μA

VOLTAGE RESPONSE

Volts

After 5 years
After 1 year
After 7 years
After 2 years

Pulse applied: 5 mA for 100 msec
Temperature: RT
Background current: 4 μA

iXtra - Long Term High Performance

Note: Any presentations in this data sheet concerning performance are for information purpose only and are not construed as warranties either expressed or implied, of future performance.

Rev. G 01/11 ECN 1502255