

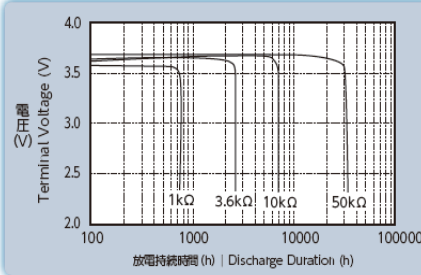
東芝塩化チオニルリチウム電池

THIONYL CHLORIDE LITHIUM BATTERY

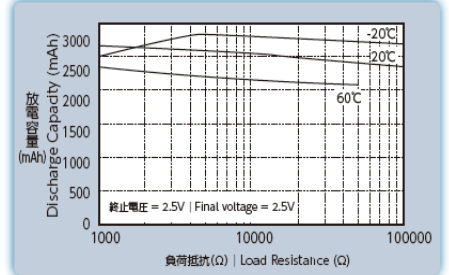
TECHNICAL CATALOG

ER17500V 標準特性 | ER17500V STANDARD CHARACTERISTICS

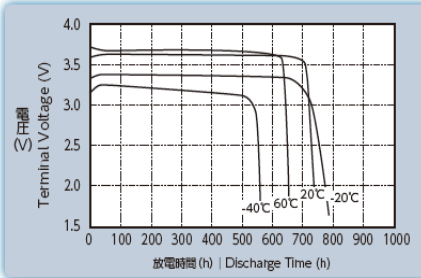
■ 放電特性 放電条件：定抵抗連続放電、初度、20°C
Discharge Characteristics
Discharge - Conditions : Continuous Discharge with Fixed Resistance, Initial, 20°C



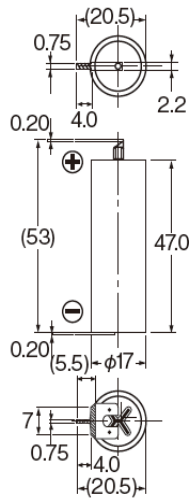
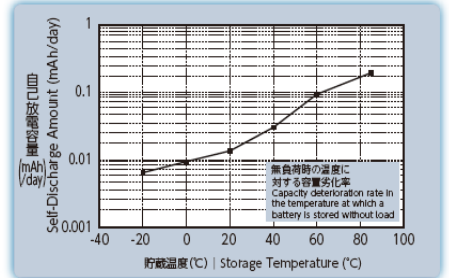
■ 負荷抵抗 - 放電容量 初度、連続放電
Load Resistance - Discharge Capacity
Initial, Continuous Discharge



■ 放電温度特性 放電条件：3.6kΩ連続放電、初度
Discharge Temperature Characteristics
Discharge - Conditions : Continuous Discharge with 3.6kΩ, Initial



■ 自己放電特性 (無負荷貯蔵)
Self-Discharge Characteristics (storage without load)

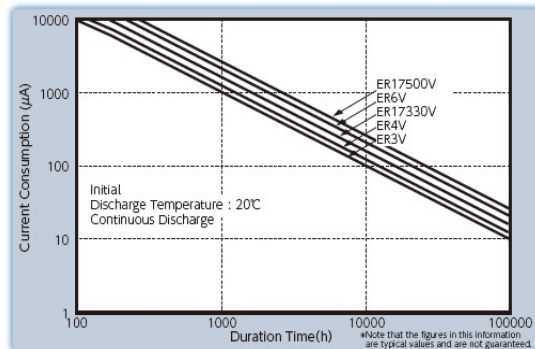


TERMINAL SHAPE

● ER series terminals are offered in types for soldering directly onto the circuit board, for using connectors allowing detachment, and with lead wire.

| Type | Type Code | Attachment to Board | | ER17500V |
|-------------------|-----------|---------------------|------------|----------|
| | | + Terminal | - Terminal | |
| Board Mounting | T1 | 1 line | 1 line | 49.0 |
| | T2 | 1 line | 2 lines | 49.0 |
| | P | 1 line | 1 line | 53.0 |
| With Connector | C | Connector | | |
| Without Connector | LY | Lead Wire | | |

Discharge Characteristics



Minimum Transient Voltage (Voltage Delay)

● The self-discharge amount of Thionyl Chloride Lithium Batteries are very low. This is due to the passive film (lithium chloride film) formed on the surface of the negative electrode which allows long term storage. On the other hand, when load is applied to the battery, this passive film acts as resistance, creating a temporary voltage drop.

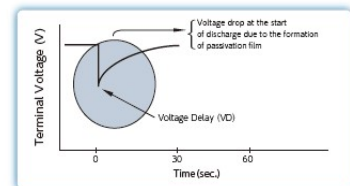


Fig. 1 Voltage Delay

SAFETY VALVE

● To improve safety, all Thionyl Chloride Lithium Batteries are equipped with safety valves. Thionyl Chloride Lithium Batteries adopt Laser Weld Sealing and Glass Seal for complete enclosure in order to secure long term reliability. When the battery is mishandled, such as by charging or by placing in fires, this structure may cause a rapid increase of internal pressure and heat expansion of the battery which may cause violent explosion. Safety Valves are installed on all batteries to improve safety by preventing these accidental dangers.

PRODUCT NAME

● Major product names are listed below :

<For Example>

