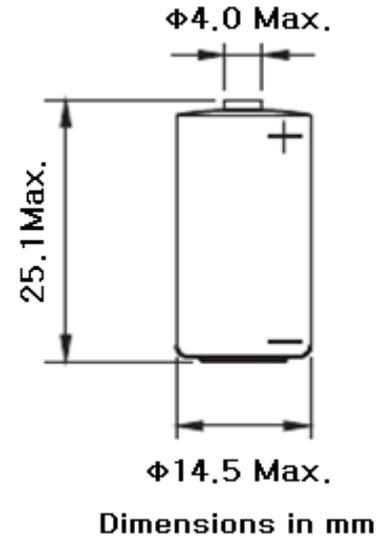


SPECIFICATIONS

(Typical values stored at 20°C for one year)

◆ Nominal capacity (at 1mA/20°C/68°F/2.0V cut-off)	1.2Ah
◆ Nominal voltage	3.6V
◆ Max. recommended continuous current (Higher current can be available upon consulting)	30mA
◆ Max. pulse current capability ★	60mA
◆ Operating temperature range	-55 ~+85°C
◆ Lithium metal content	approx. 0.3g
◆ Weight	9g
◆ Volume	4.3cm ³
◆ UL Approval	MH28122



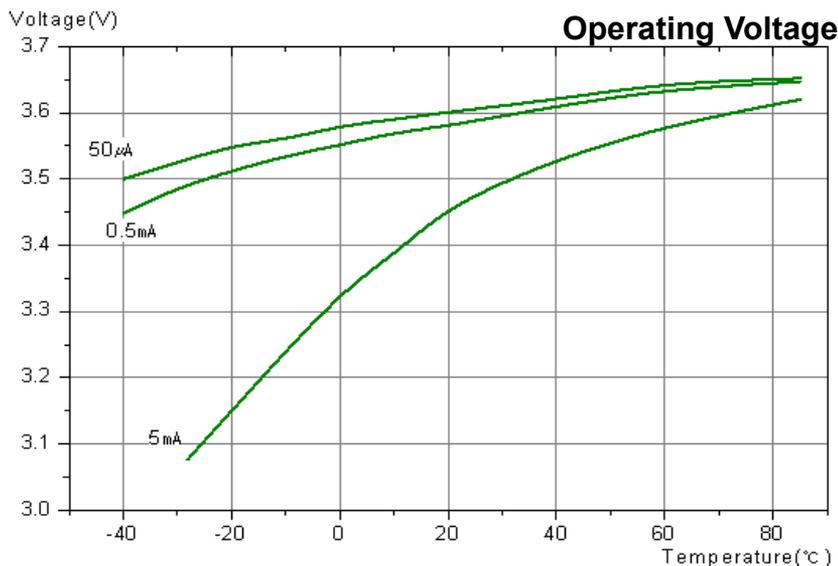
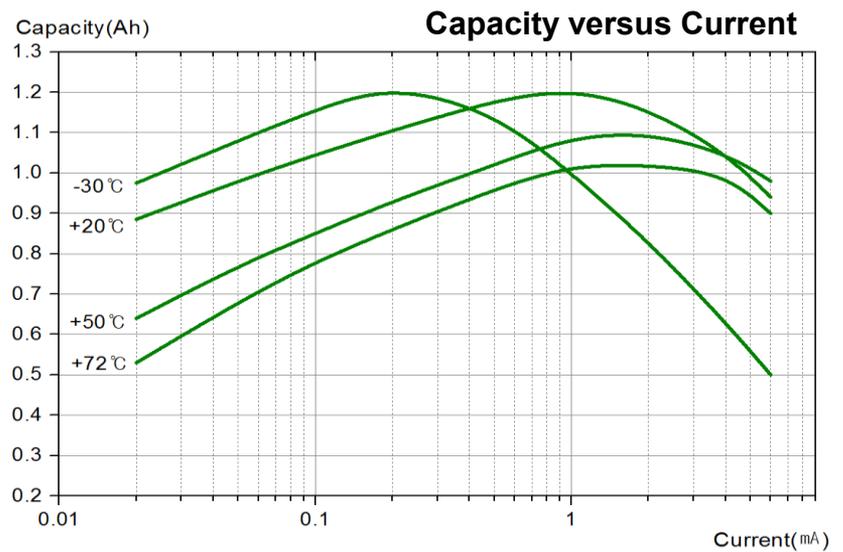
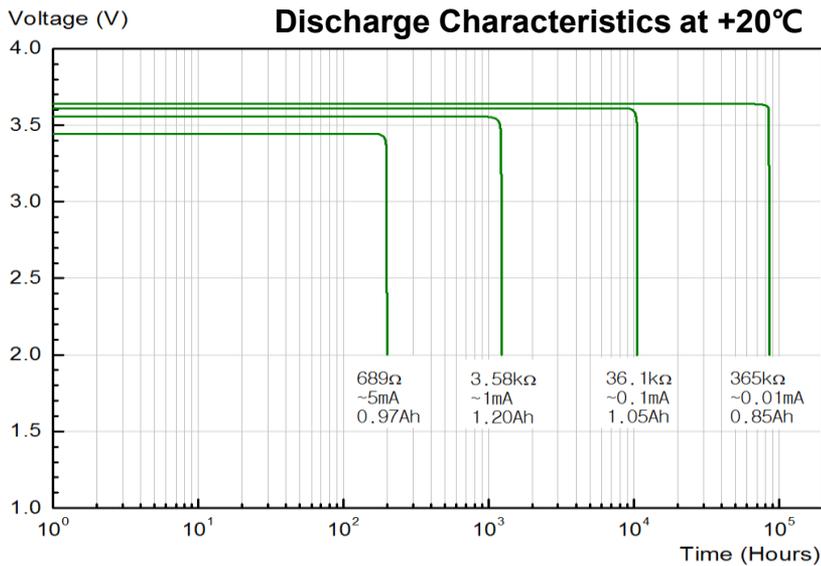
Available Terminal Type

STD, T1, T2, T3, T3/R, T3EU, T3EU/R, AX, Wire, Connector, Case1, Case2

Storage Condition

Please store batteries at clean, cool (not over +30°C), dry and ventilated condition

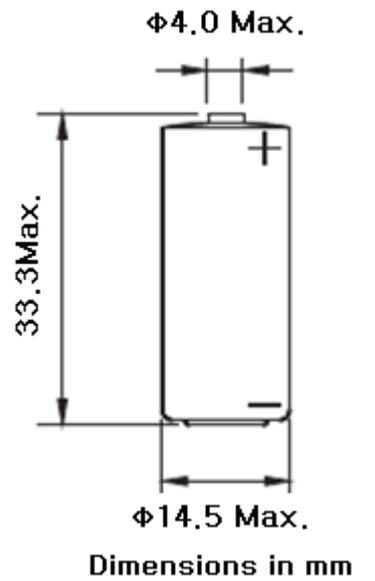
Max Pulse Capability: Maximum Pulse capability reading over 3.0V at 60mA/0.1sec. every 2 min. at +20°C, 10μA / cm² base current with fresh batteries. The pulse capability can be different to the cell status, environment. For max. pulse coverage, capacitor support is recommended.



SPECIFICATIONS

(Typical values stored at 20°C for one year)

◆ Nominal capacity (at 1mA/20°C/68°F/2.0V cut-off)	1.65Ah
◆ Nominal voltage	3.6V
◆ Max. recommended continuous current (Higher current can be available upon consulting)	40mA
◆ Max. pulse current capability ★	90mA
◆ Operating temperature range	-55 ~ +85°C
◆ Lithium metal content	approx. 0.5g
◆ Weight	12g
◆ Volume	5.5cm ³
◆ UL Approval	MH28122



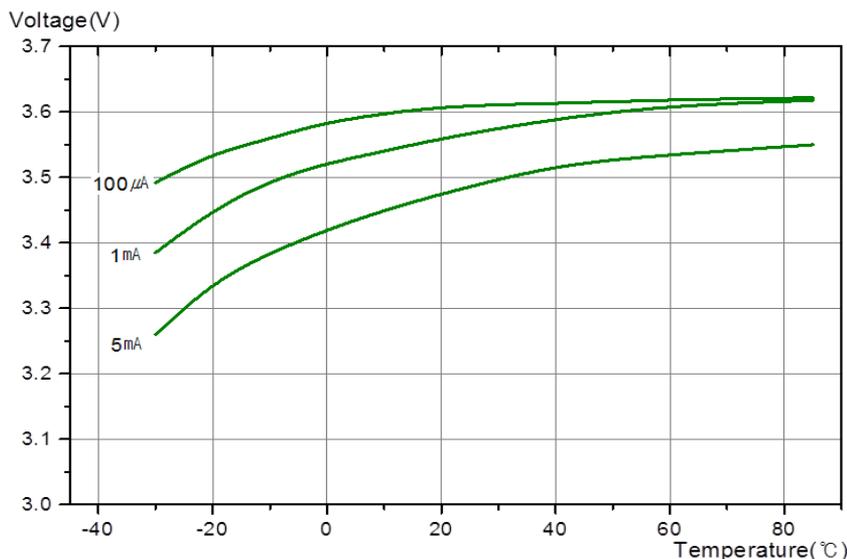
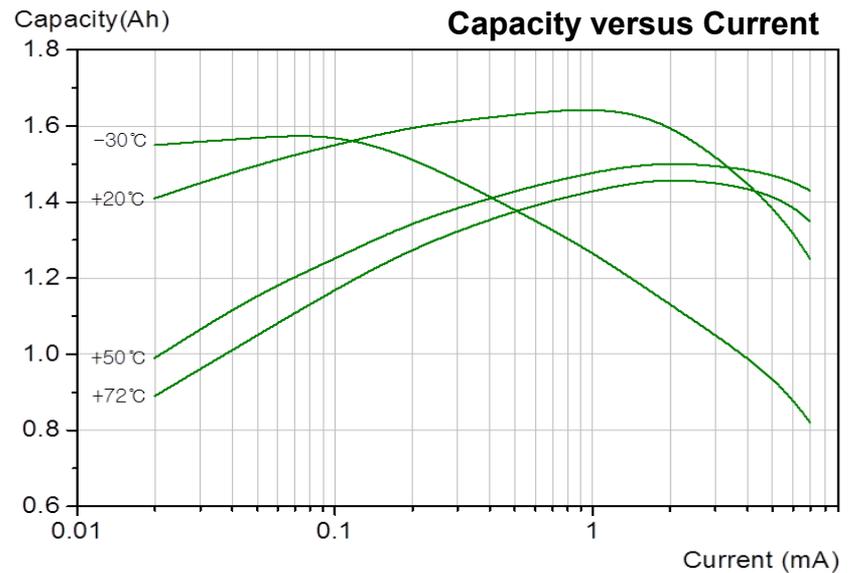
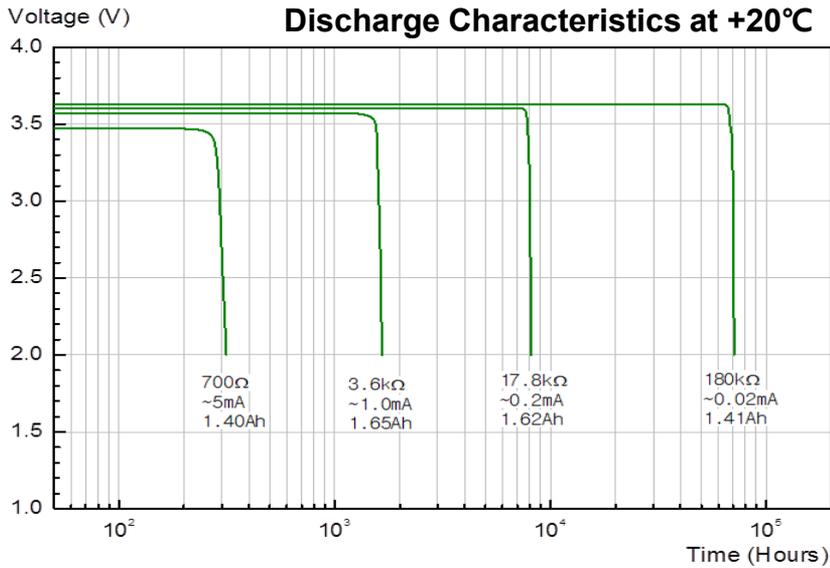
Available Terminal Type

STD, T1, T2, T3, T3/R, T3EU, T3EU/R, AX, Wire, Connector

Storage Condition

Please store batteries at clean, cool (not over +30°C), dry and ventilated condition

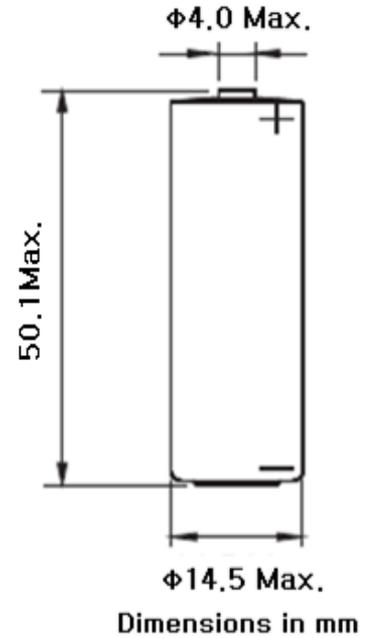
Max Pulse Capability: Maximum Pulse capability reading over 3.0V at 90mA/0.1sec. every 2 min. at +20°C, 10μA/cm² base current with fresh batteries. The pulse capability can be different to the cell status, environment. For max. pulse coverage, capacitor support is recommended.



SPECIFICATIONS

(Typical values stored at 20°C for one year)

◆ Nominal capacity (at 1mA/20°C/68°F/2.0V cut-off)	2.6Ah
◆ Nominal voltage	3.6V
◆ Max. recommended continuous current (Higher current can be available upon consulting)	60mA
◆ Max. pulse current capability ★	120mA
◆ Operating temperature range	-55 ~+85°C
◆ Lithium metal content	approx. 0.7g
◆ Weight	17g
◆ Volume	8.0cm ³
◆ UL Approval	MH28122



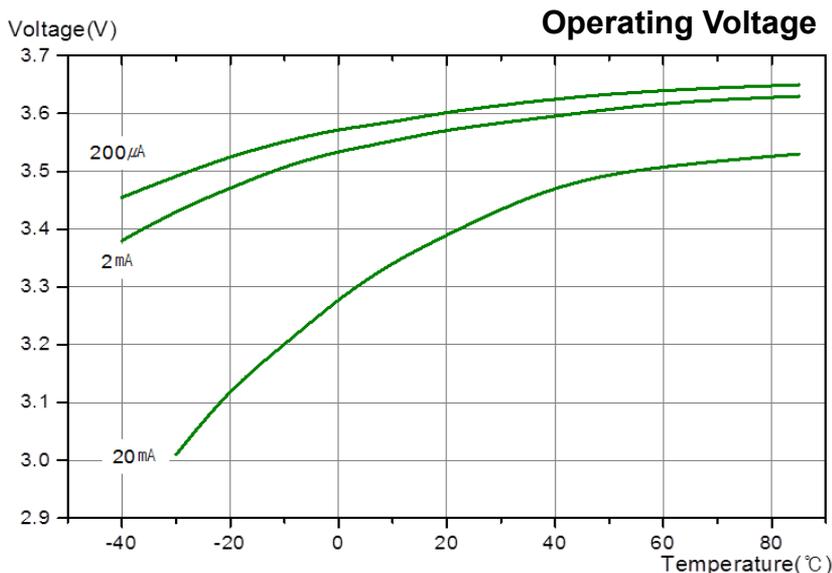
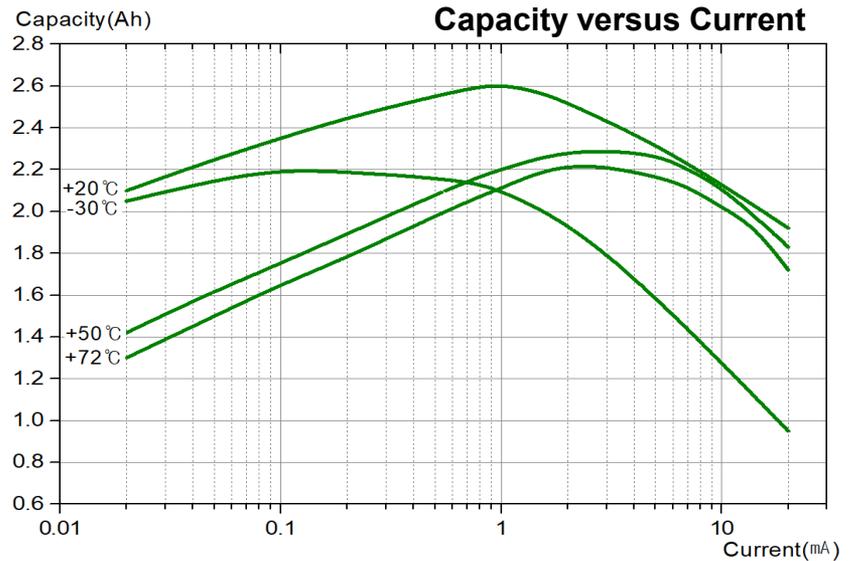
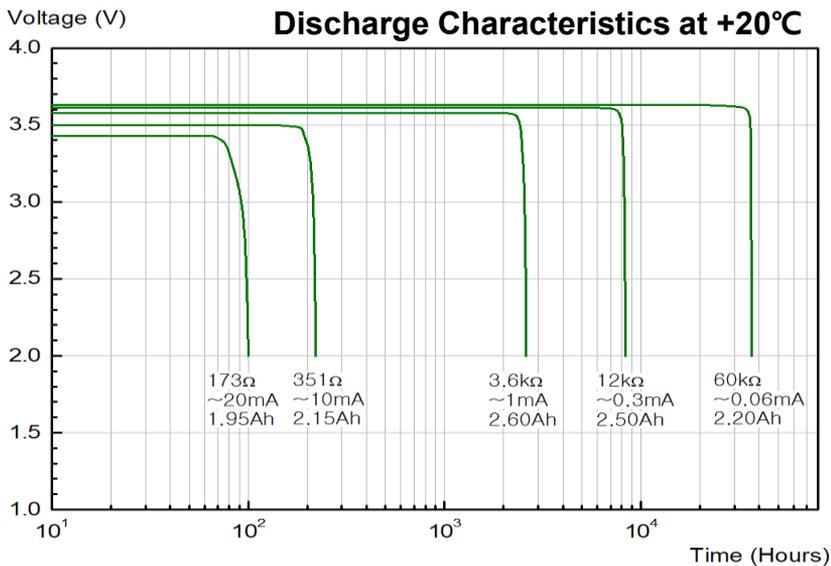
Available Terminal Type

STD, T1, T2, T3, T3/R, T3EU, T3EU/R, AX, Wire, Connector

Storage Condition

Please store batteries at clean, cool (not over +30°C), dry and ventilated condition

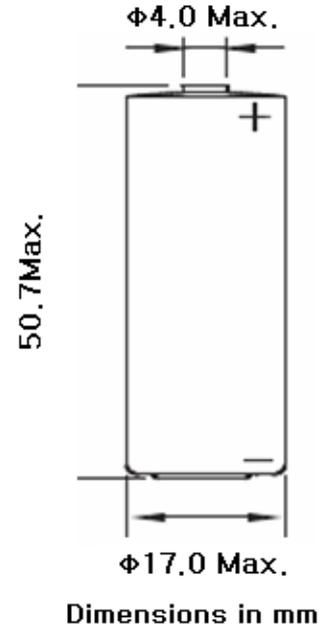
Max Pulse Capability: Maximum Pulse capability reading over 3.0V at 120mA/0.1sec. every 2 min. at +20°C, 10μA/cm² base current with fresh batteries. The pulse capability can be different to the cell status, environment. For max. pulse coverage, capacitor support is recommended.



SPECIFICATIONS

(Typical values stored at 20°C for one year)

◆ Nominal capacity (at 3.0mA/20°C/68°F/2.0V cut-off)	3.6Ah
◆ Nominal voltage	3.6V
◆ Max. recommended continuous current (Higher current can be available upon consulting)	60mA
◆ Max. pulse current capability ★	150mA
◆ Operating temperature range	-55 ~ +85°C
◆ Lithium metal content	approx. 0.95g
◆ Weight	24g
◆ Volume	10.6cm ³
◆ UL Approval	MH28122



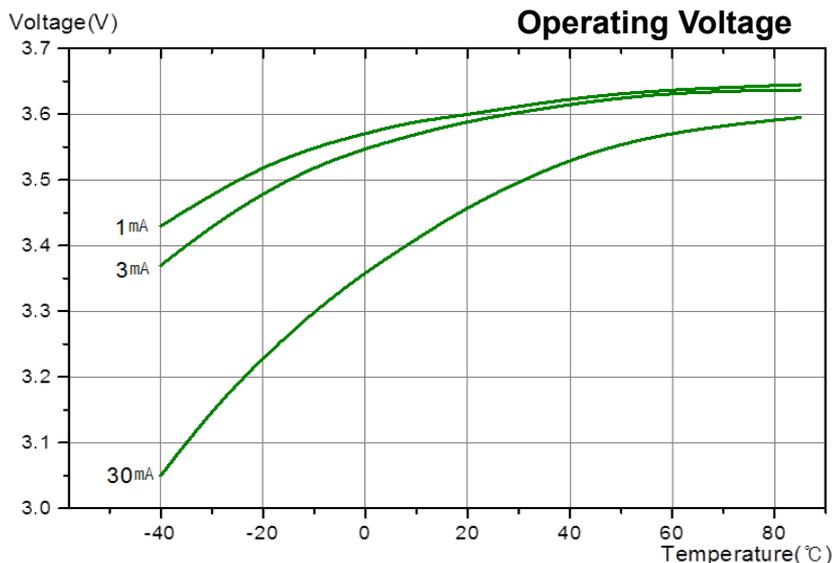
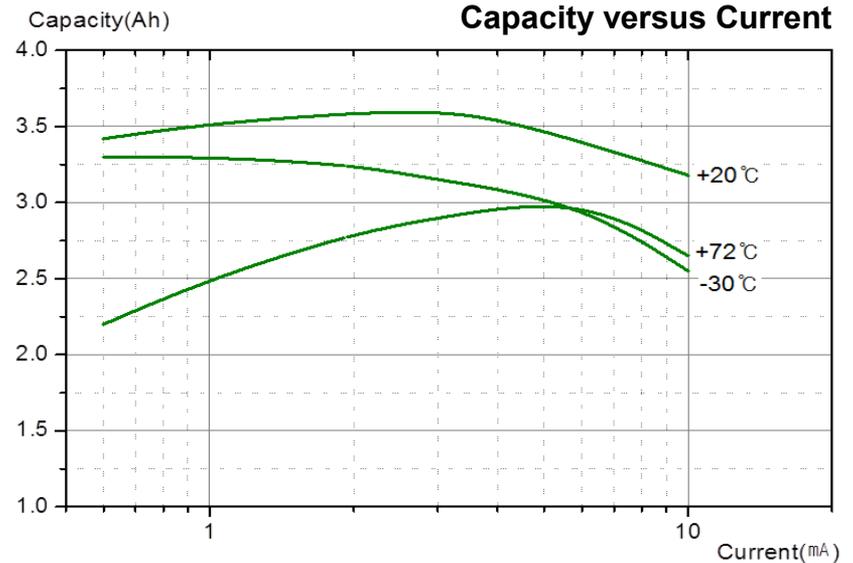
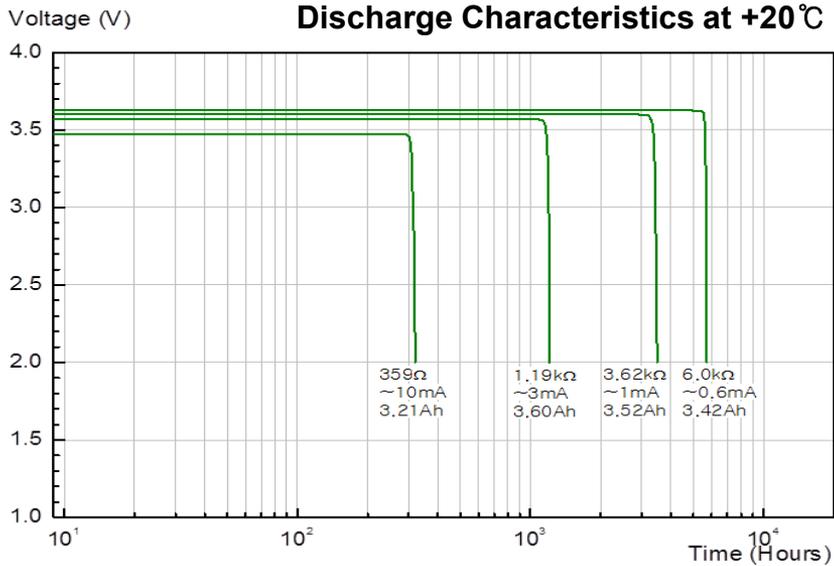
Available Terminal Type

STD, T1, T2, T3, T3/R, T3EU, T3EU/R, AX, Wire, Connector

Storage Condition

Please store batteries at clean, cool (not over +30°C), dry and ventilated condition

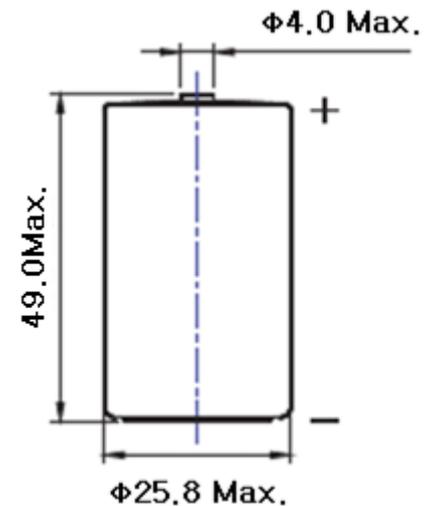
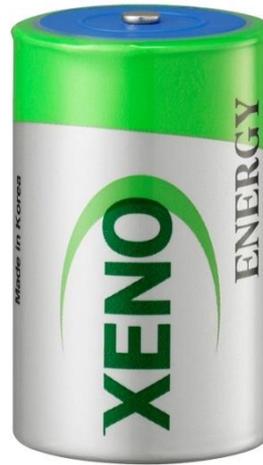
Max Pulse Capability: Maximum Pulse capability reading over 3.0V at 150mA/0.1sec. every 2 min. at +20°C, 10μA/cm² base current with fresh batteries. The pulse capability can be different to the cell status, environment. For max. pulse coverage, capacitor support is recommended.



SPECIFICATIONS

(Typical values stored at 20°C for one year)

◆ Nominal capacity (at 3mA/20°C/68°F/2.0V cut-off)	8.5Ah
◆ Nominal voltage	3.6V
◆ Max. recommended continuous current (Higher current can be available upon consulting)	150mA
◆ Max. pulse current capability ★	230mA
◆ Operating temperature range	-55 ~ +85°C
◆ Lithium metal content	approx. 2.3g
◆ Weight	50g
◆ Volume	26cm ³
◆ UL Approval	MH28122



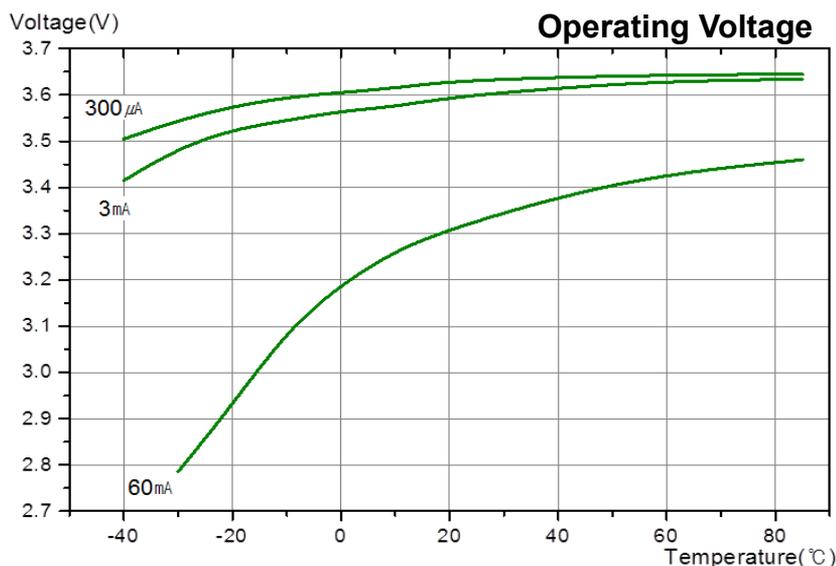
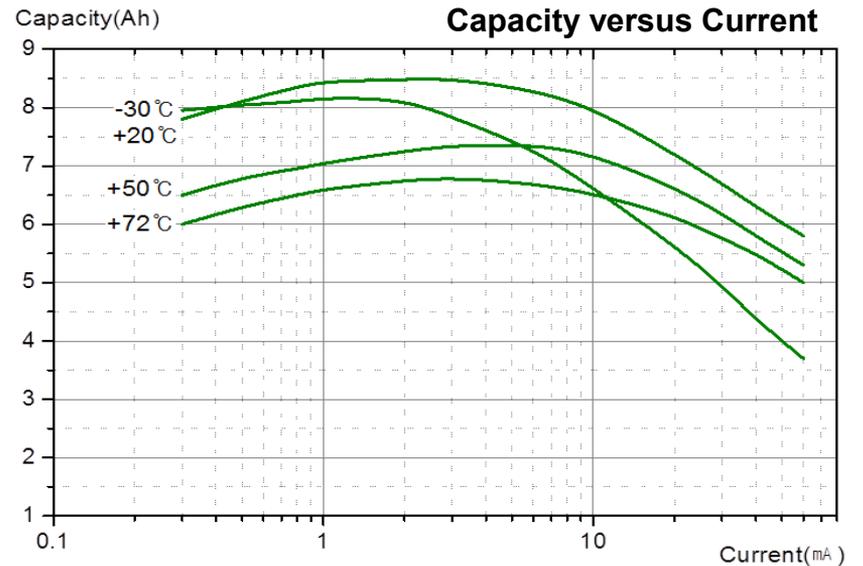
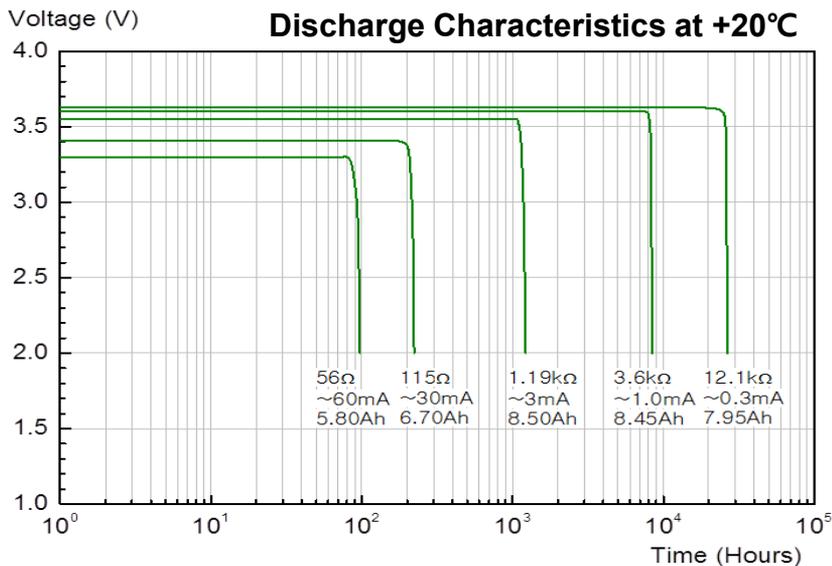
Dimensions in mm

Available Terminal Type
STD, T1, AX, Wire, Connector

Storage Condition

Please store batteries at clean, cool (not over +30°C), dry and ventilated condition

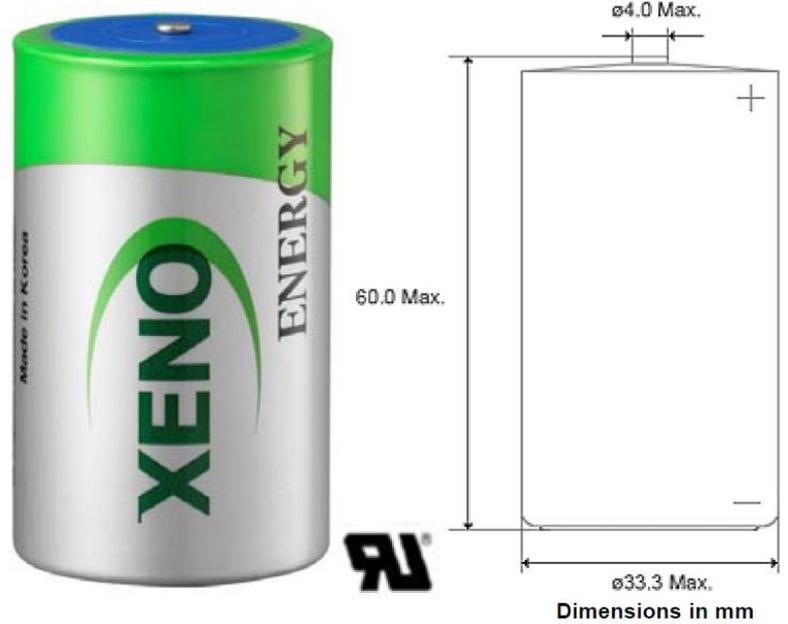
Max Pulse Capability: Maximum Pulse capability reading over 3.0V at 230mA/0.1sec. every 2 min. at +20°C, 10μA/cm² base current with fresh batteries. The pulse capability can be different to the cell status, environment. For max. pulse coverage, capacitor support is recommended.



SPECIFICATIONS

(Typical values stored at 20°C for one year)

◆ Nominal capacity	19Ah
(at 5mA/20°C/68°F/2.0V cut-off)	
◆ Nominal voltage	3.6V
◆ Max. recommended continuous current	230mA
(Higher current can be available upon consulting)	
◆ Max. pulse current capability ★	400mA
◆ Operating temperature range	-55 ~ +85°C
◆ Lithium metal content	approx. 4.8g
◆ Weight	98g
◆ Volume	51.0cm ³
◆ UL Approval	MH28122



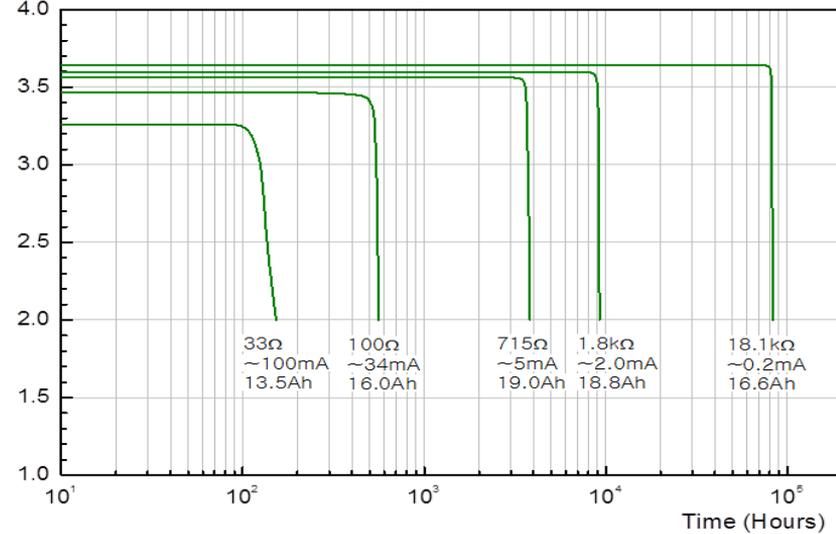
Available Terminal Type
STD, T1, AX, Wire, Connector

Storage Condition

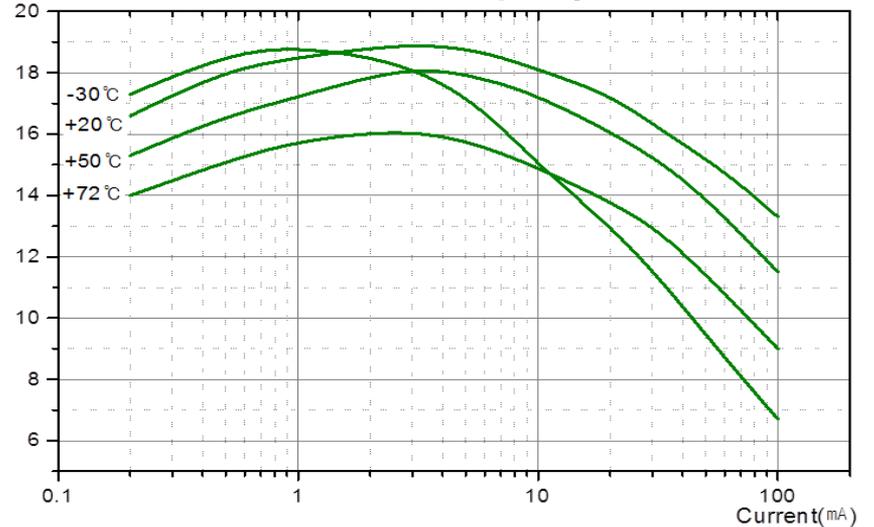
Please store batteries at clean, cool (not over +30°C), dry and ventilated condition

Max Pulse Capability: Maximum Pulse capability reading over 3.0V at 400mA/0.1sec. every 2 min. at +20°C, 10 μ A/cm² base current with fresh batteries. The pulse capability can be different to the cell status, environment. For max. pulse coverage, capacitor support is recommended.

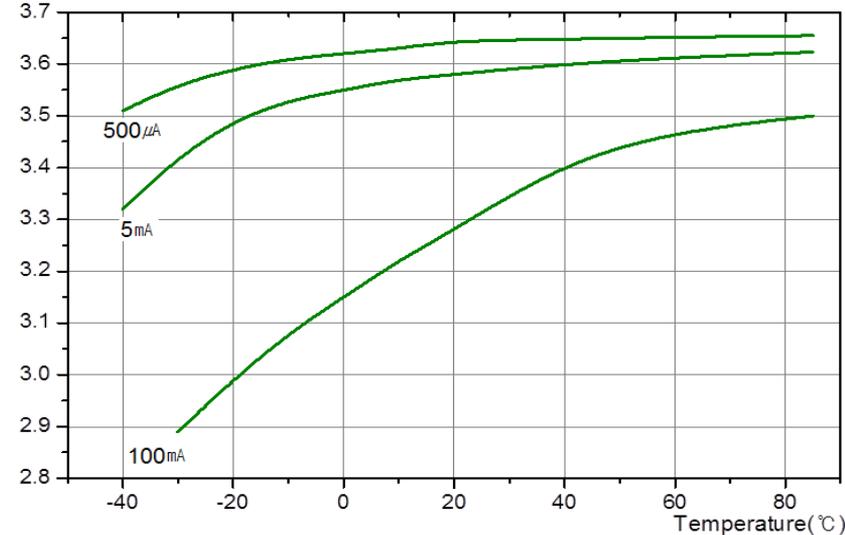
Discharge Characteristics at +20°C



Capacity versus Current



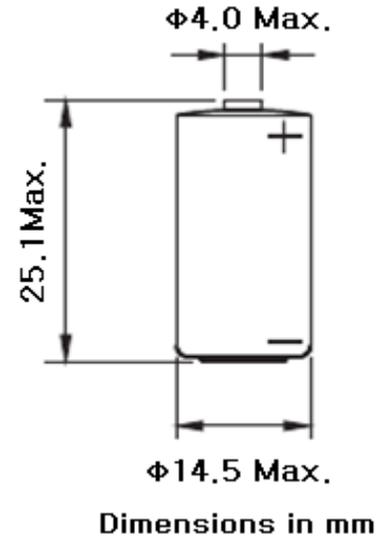
Operating Voltage



SPECIFICATIONS

(Typical values stored at 20°C for one year)

◆ Nominal capacity (at 1mA/20°C/68°F/2.0V cut-off)	1.2Ah
◆ Nominal voltage	3.6V
◆ Max. recommended continuous current (Higher current can be available upon consulting)	30mA
◆ Max. pulse current capability ★	100mA
◆ Operating temperature range	-55 ~ +85°C
◆ Lithium metal content	approx. 0.3g
◆ Weight	9g
◆ Volume	4.3cm ³
◆ UL Approval	MH28122



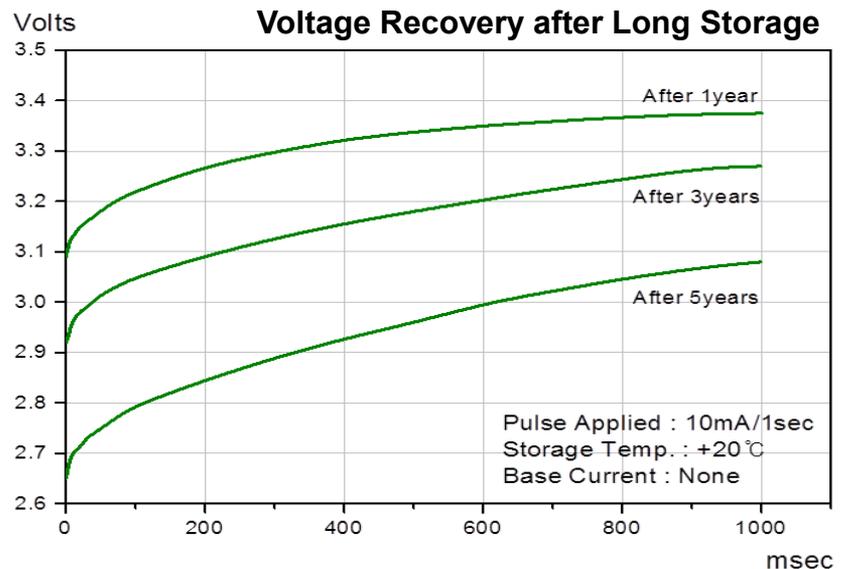
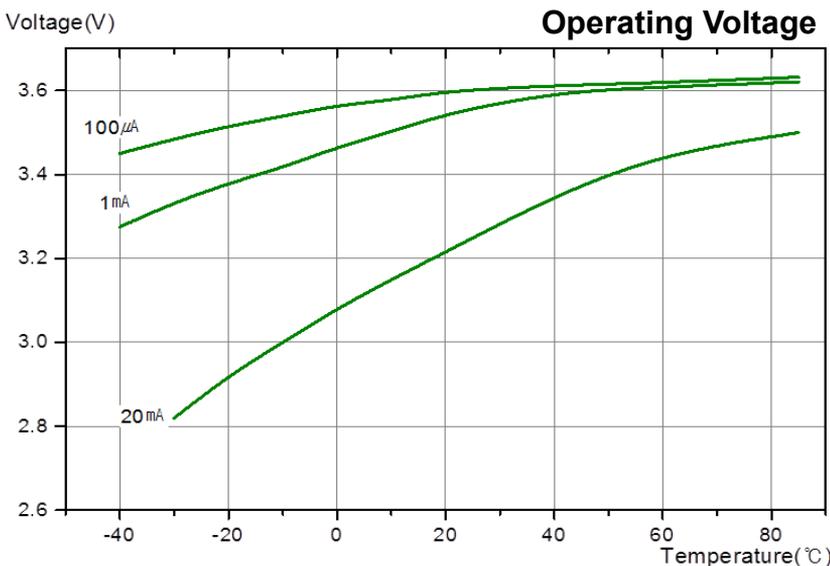
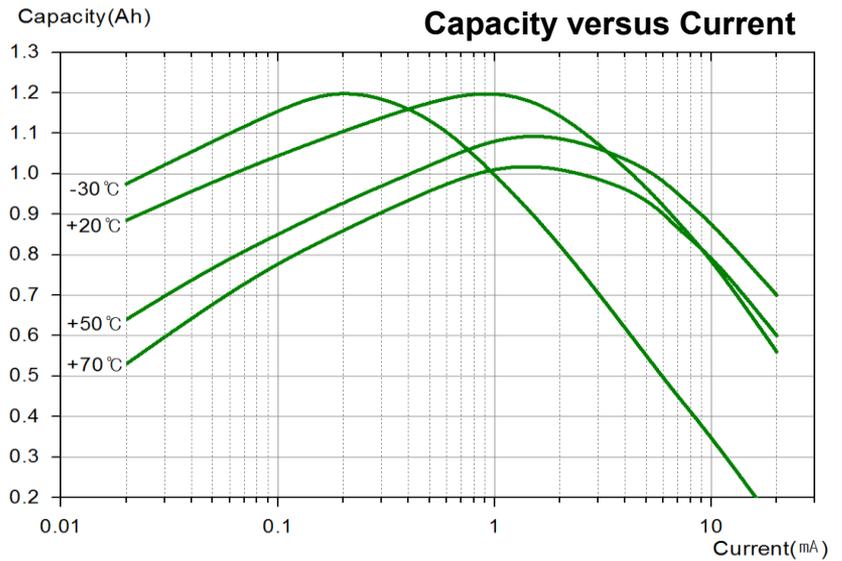
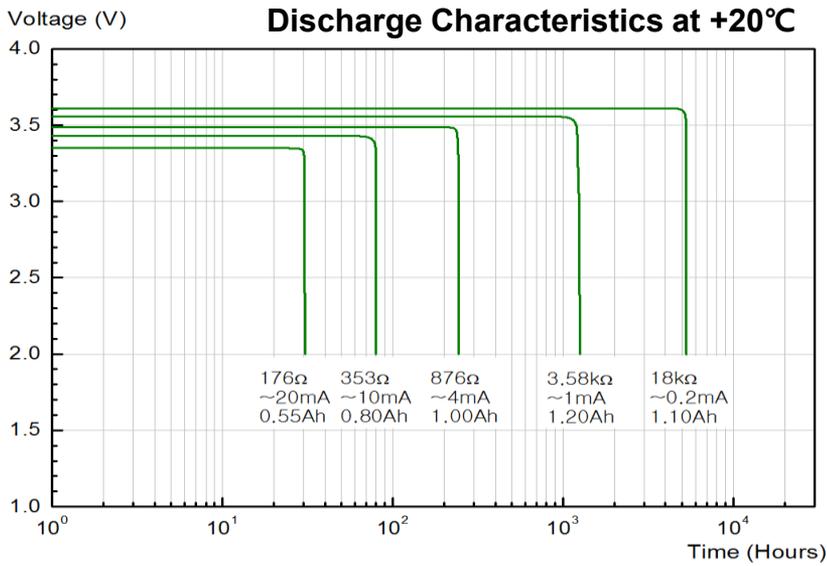
Available Terminal Type

STD, T1, T2, T3, T3/R, T3EU, T3EU/R, AX, Wire, Connector, Case1, Case2

Storage Condition

Please store batteries at clean, cool (not over +30°C), dry and ventilated condition

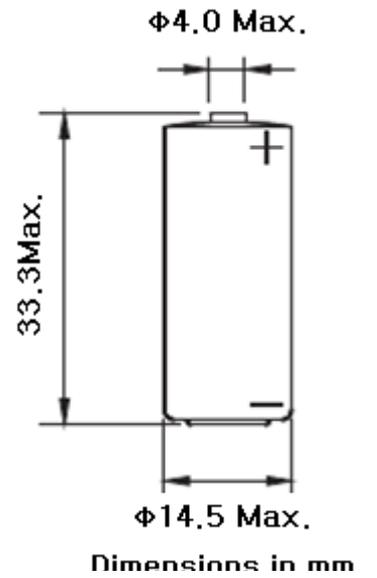
Max Pulse Capability: Maximum Pulse capability reading over 3.0V at 100mA/0.1sec. every 2 min. at +20°C, 10μA / cm² base current with fresh batteries. The pulse capability can be different to the cell status, environment. For max. pulse coverage, capacitor support is recommended.



SPECIFICATIONS

(Typical values stored at 20°C for one year)

◆ Nominal capacity (at 1mA/20°C/68°F/2.0V cut-off)	1.65Ah
◆ Nominal voltage	3.6V
◆ Max. recommended continuous current (Higher current can be available upon consulting)	60mA
◆ Max. pulse current capability ★	150mA
◆ Operating temperature range	-55 ~ +85°C
◆ Lithium metal content	approx. 0.5g
◆ Weight	12g
◆ Volume	5.5cm ³
◆ UL Approval	MH28122



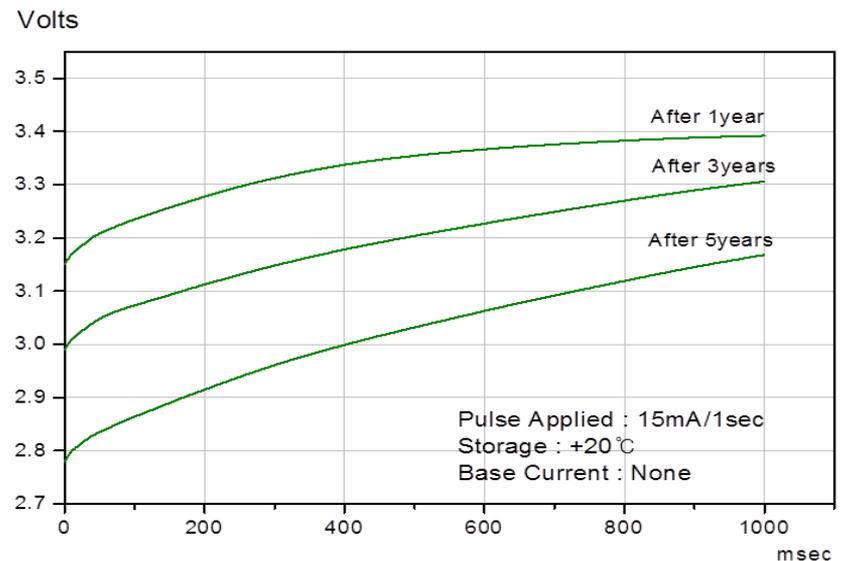
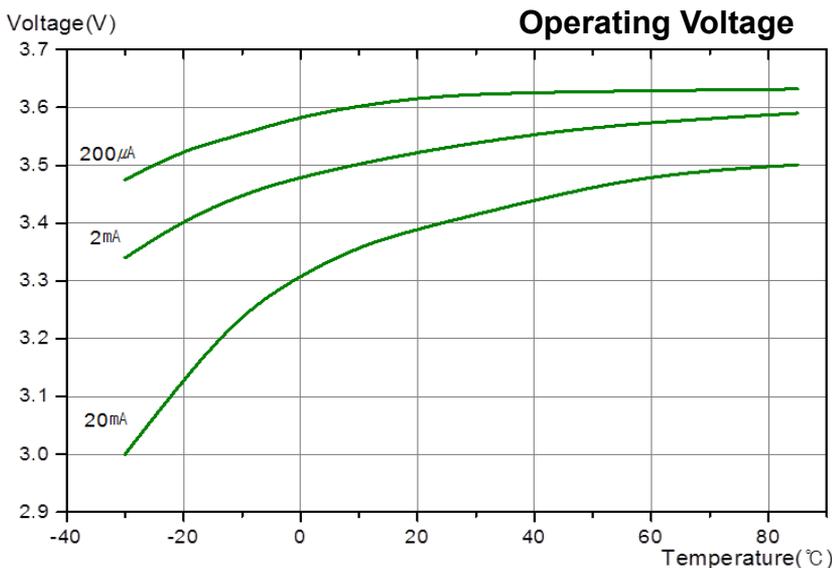
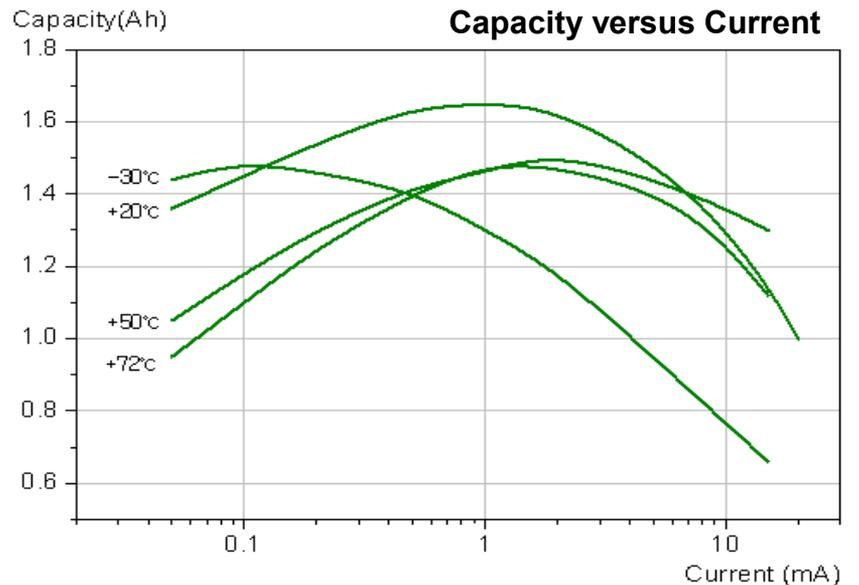
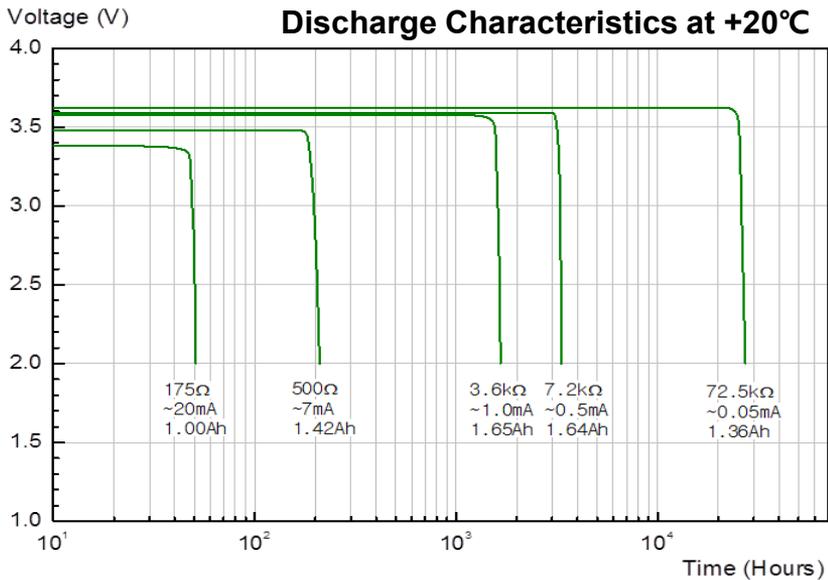
Available Terminal Type

STD, T1, T2, T3, T3/R, T3EU, T3EU/R, AX, Wire, Connector

Storage Condition

Please store batteries at clean, cool (not over +30°C), dry and ventilated condition

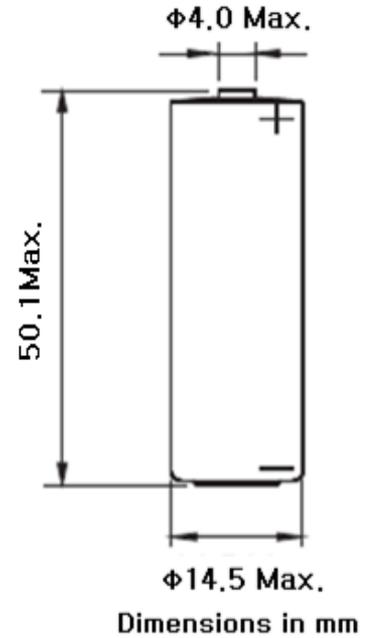
Max Pulse Capability: Maximum Pulse capability reading over 3.0V at 150mA/0.1sec. every 2 min. at +20°C, 10μA/cm² base current with fresh batteries. The pulse capability can be different to the cell status, environment. For max. pulse coverage, capacitor support is recommended.



SPECIFICATIONS

(Typical values stored at 20°C for one year)

◆ Nominal capacity	2.6Ah
(@ 1mA/20°C/68°F/2.0V Cut-Off)	
◆ Nominal voltage	3.6V
◆ Max. recommended continuous Current	60mA
(Higher current can be available upon consulting)	
◆ Max. pulse current capability ★	200mA
◆ Operating Temperature Range	-55 ~ 85°C
◆ Lithium metal content	approx. 0.7g
◆ Weight	17g
◆ Volume	8.0cm ³
◆ UL Approval	MH28122



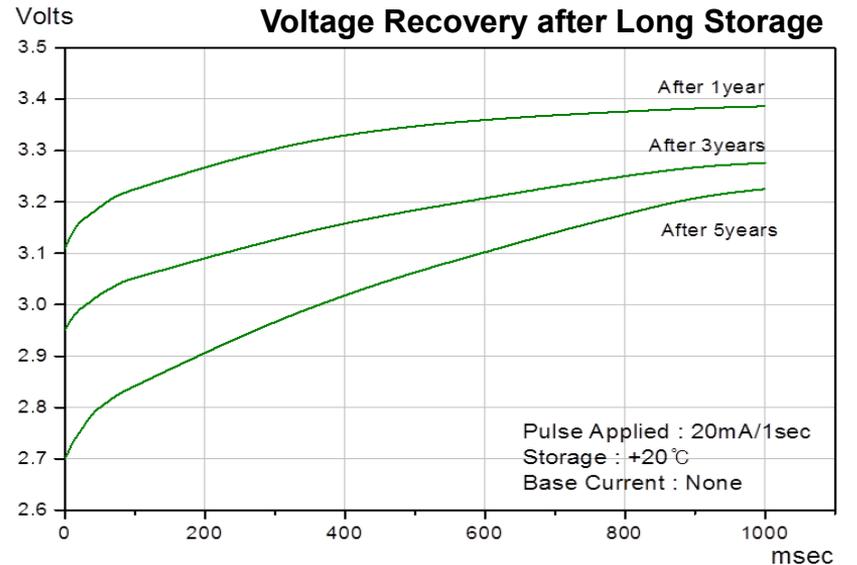
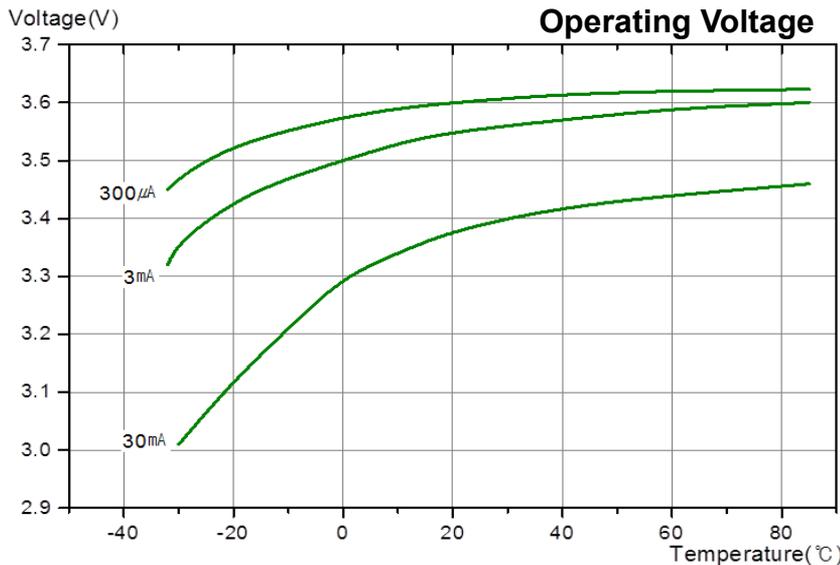
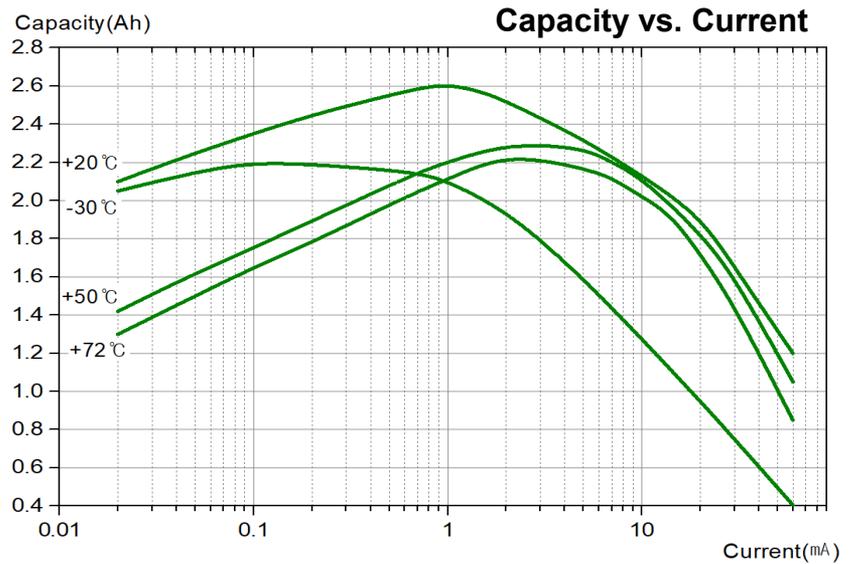
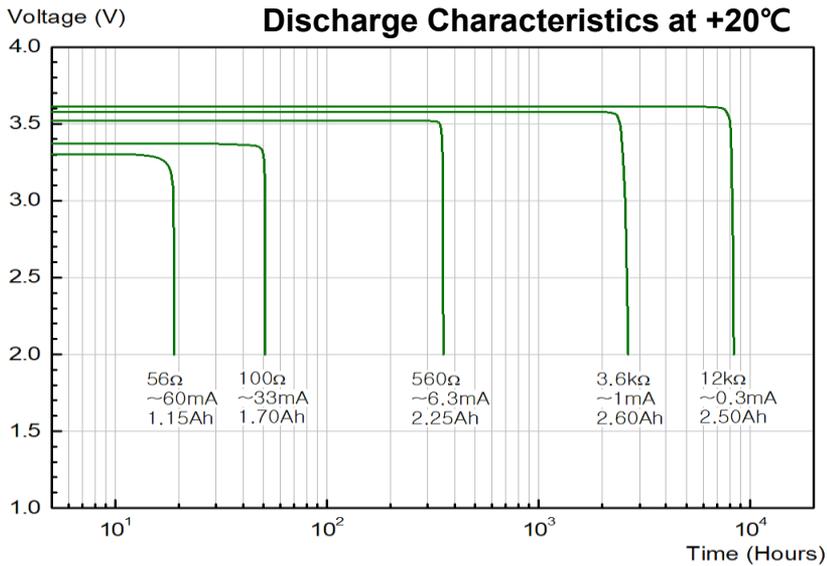
Available Terminal Type

STD, T1, T2, T3, T3/R, T3EU, T3EU/R, AX, Wire, Connector

Storage Condition

Please store batteries at clean, cool (not over +30°C), dry and ventilated condition

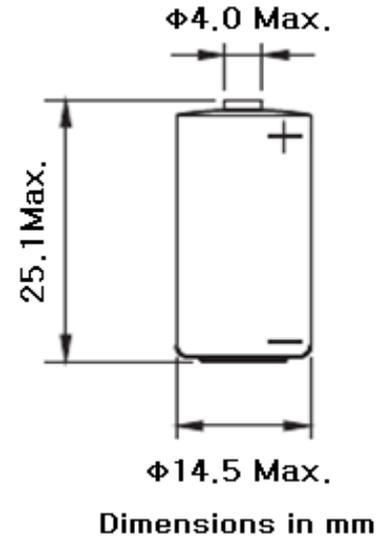
Max Pulse Capability: Maximum Pulse capability reading over 3.0V at 200mA/0.1sec. every 2 min. at +20°C, 10μA/cm² base current with fresh batteries. The pulse capability can be different to the cell status, environment. For max. pulse coverage, capacitor support is recommended.



SPECIFICATIONS

(Typical values stored at 20°C for one year)

◆ Nominal capacity (at 1mA/20°C/68°F/2.0V cut-off)	0.85Ah
◆ Nominal voltage	3.6V
◆ Max. recommended continuous current (Higher current can be available upon consulting)	30mA
◆ Max. pulse current capability ★	60mA
◆ Operating temperature range	-55 ~ +130°C
◆ Lithium metal content	approx. 0.3g
◆ Weight	9g
◆ Volume	4.3cm ³
◆ UL Approval	MH28122



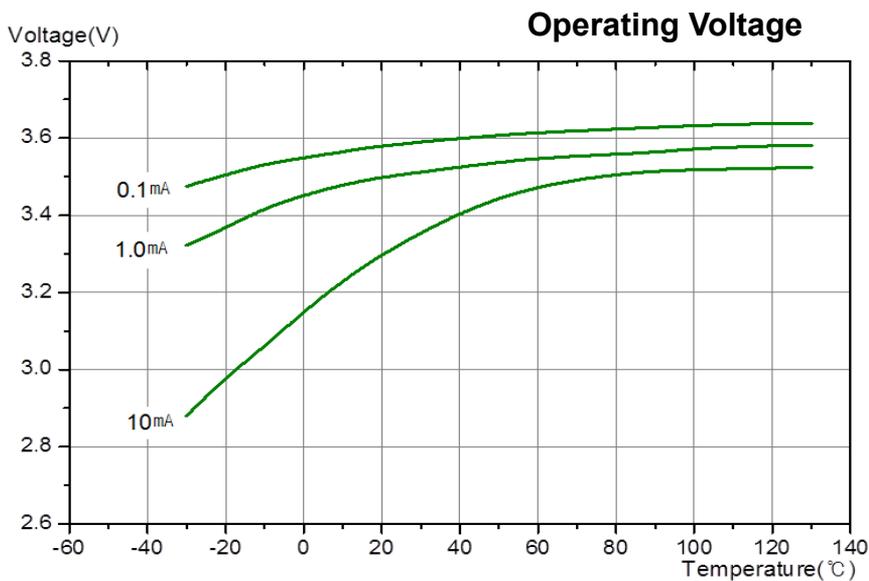
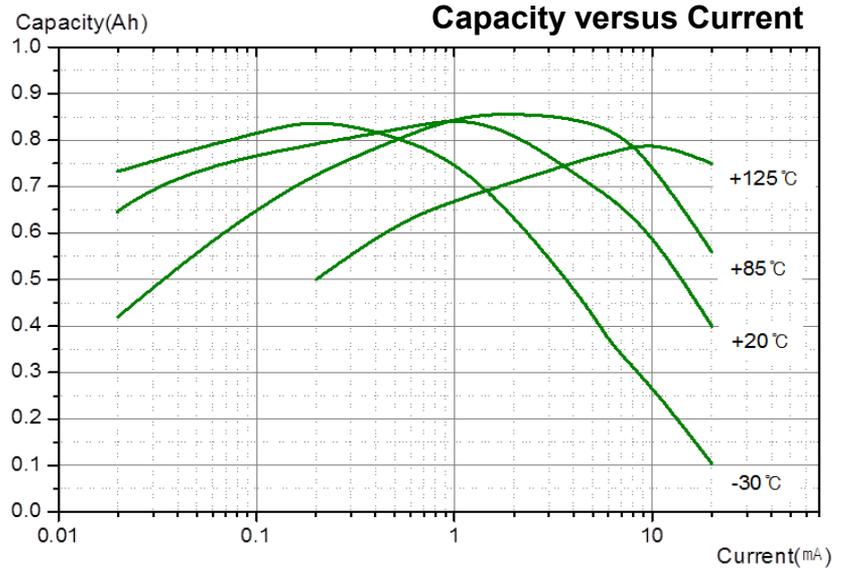
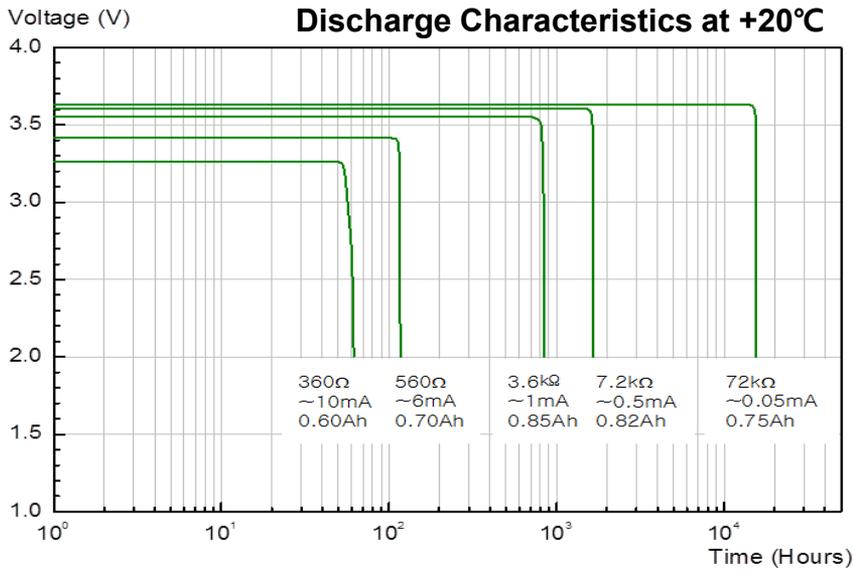
Available Terminal Type

STD, T1, T2, T3, T3/R, T3EU, T3EU/R, AX, Wire, Connector

Storage Condition

Please store batteries at clean, cool (not over +30°C), dry and ventilated condition

Max Pulse Capability: Maximum Pulse capability reading over 3.0V at 60mA/0.1sec. every 2 min. at +20°C, 10μA/cm² base current with fresh batteries. The pulse capability can be different to the cell status, environment. For max. pulse coverage, capacitor support is recommended.

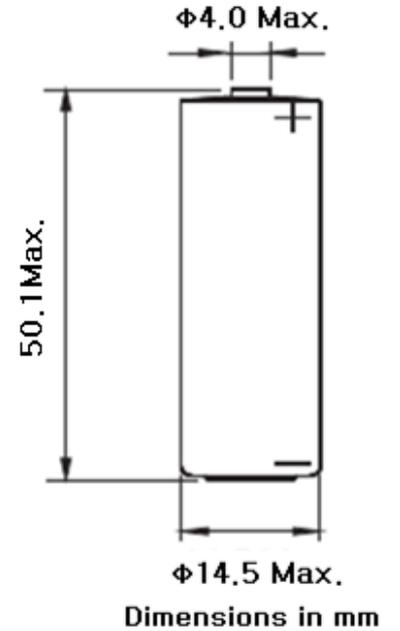


SPECIFICATIONS

(Typical values stored at 20°C for one year)

◆ Nominal capacity (at 2mA/20°C/68°F/2.0V cut-off)	1.8Ah
◆ Nominal voltage	3.6V
◆ Max. recommended continuous current (Higher current can be available upon consulting)	60mA
◆ Max. pulse current capability ★	120mA
◆ Operating temperature range	-55 ~+130°C
◆ Lithium metal content	approx. 0.7g
◆ Weight	17g
◆ Volume	8.0cm ³
◆ UL Approval	MH28122

Max Pulse Capability: Maximum Pulse capability reading over 3.0V at 120mA/0.1sec. every 2 min. at +20°C, 10μA / cm² base current with fresh batteries. The pulse capability can be different to the cell status, environment. For max. pulse coverage, capacitor support is recommended.

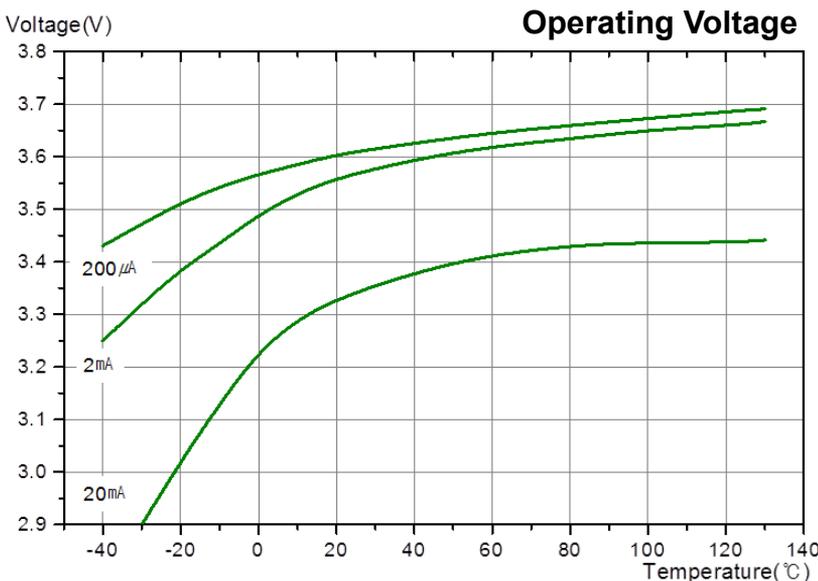
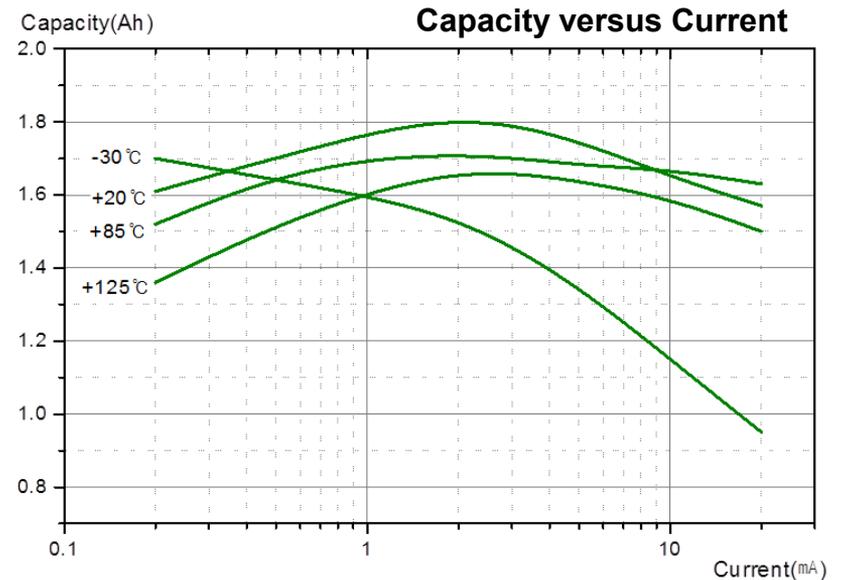
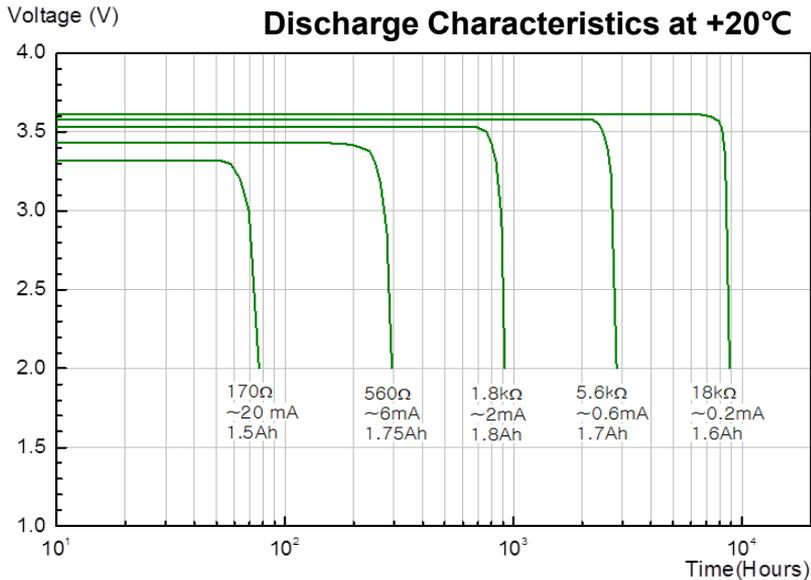


Available Terminal Type

STD, T1, T2, T3, T3/R, T3EU, T3EU/R, AX, Wire, Connector

Storage Condition

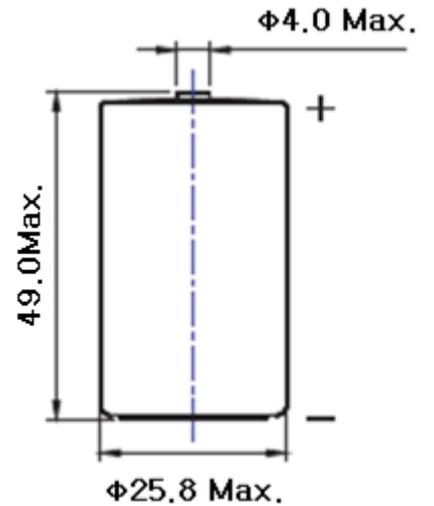
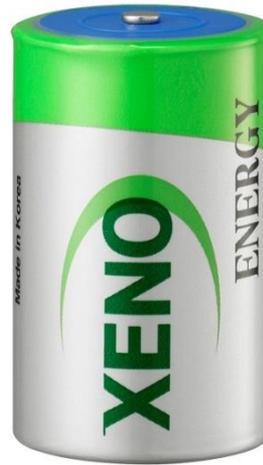
Please store batteries at clean, cool (not over +30°C), dry and ventilated condition



SPECIFICATIONS

(Typical values stored at 20°C for one year)

◆ Nominal capacity (at 20mA/20°C/68°F/2.0V cut-off)	7.5Ah
◆ Nominal voltage	3.9V
◆ Max. recommended continuous current (Higher current can be available upon consulting)	150mA
◆ Max. pulse current capability ★	230mA
◆ Operating temperature range	-40 ~+85°C
◆ Lithium metal content	approx. 2.3g
◆ Weight	50g
◆ Volume	26cm ³
◆ UL Approval	MH28122



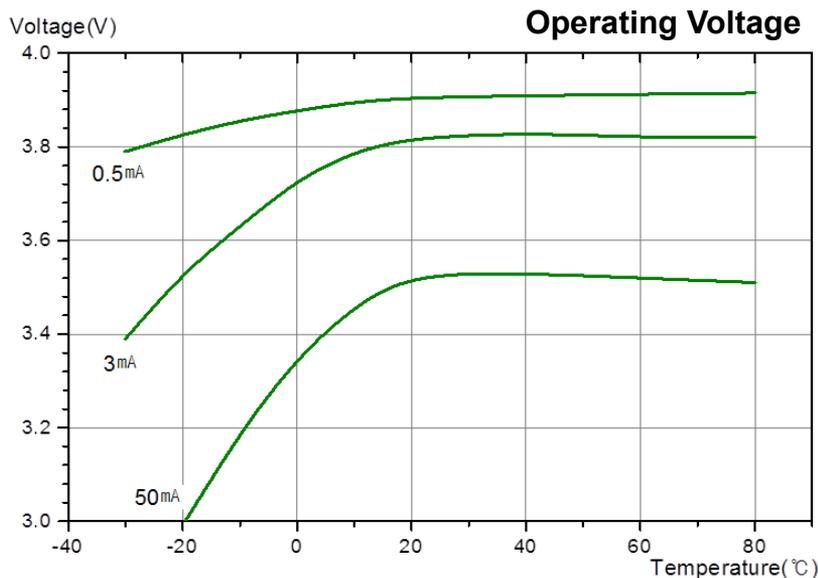
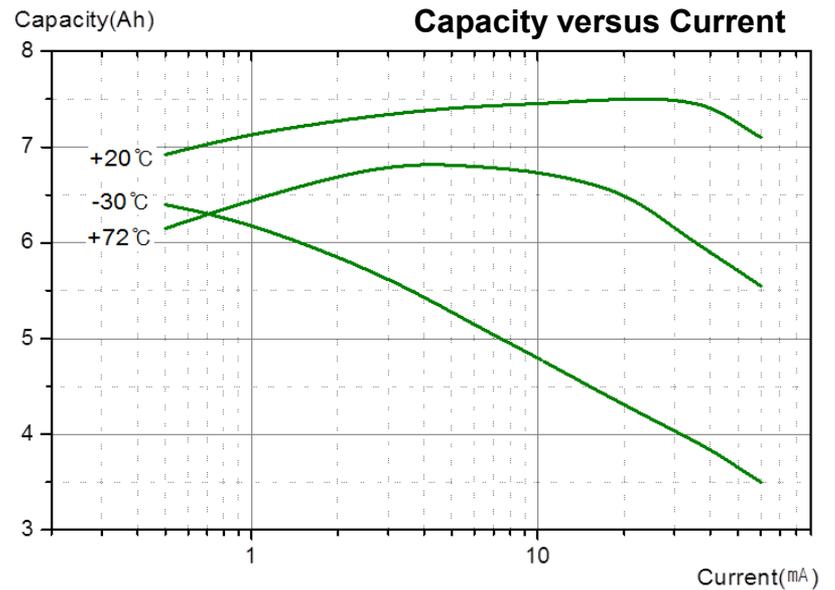
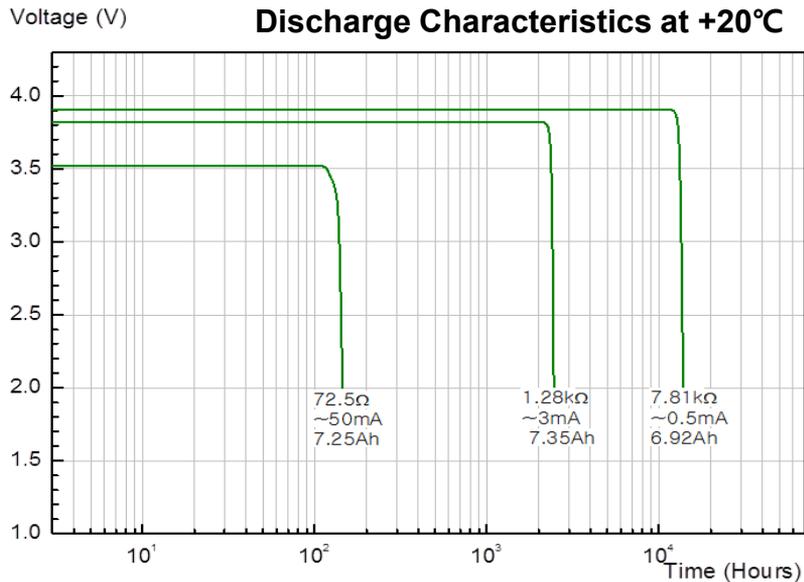
Dimensions in mm

Available Terminal Type
STD, T1, AX, Wire, Connector

Storage Condition

Please store batteries at clean, cool (not over +30°C), dry and ventilated condition

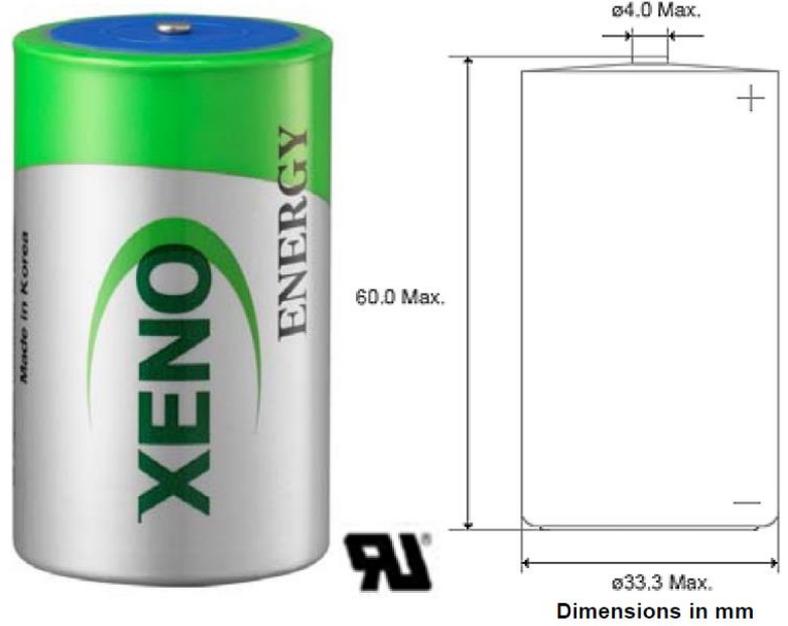
Max Pulse Capability: Maximum Pulse capability reading over 3.0V at 230mA/0.1sec. every 2 min. at +20°C, 10μA/cm² base current with fresh batteries. The pulse capability can be different to the cell status, environment. For max. pulse coverage, capacitor support is recommended.



SPECIFICATIONS

(Typical values stored at 20°C for one year)

◆ Nominal capacity (at 30mA/20°C/68°F/2.0V cut-off)	16Ah
◆ Nominal voltage	3.9V
◆ Max. recommended continuous current (Higher current can be available upon consulting)	230mA
◆ Max. pulse current capability ★	400mA
◆ Operating temperature range	-40 ~ +85°C
◆ Lithium metal content	approx. 4.8g
◆ Weight	98g
◆ Volume	51.0cm ³
◆ UL Approval	MH28122

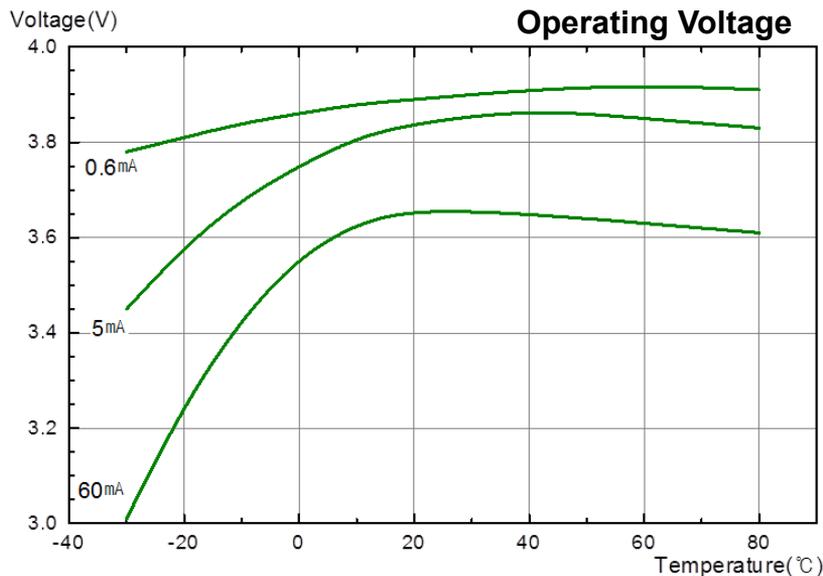
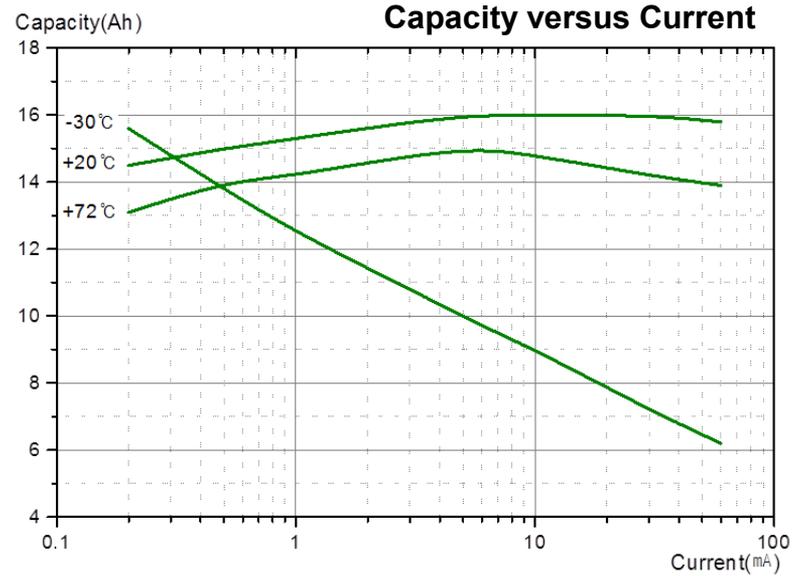
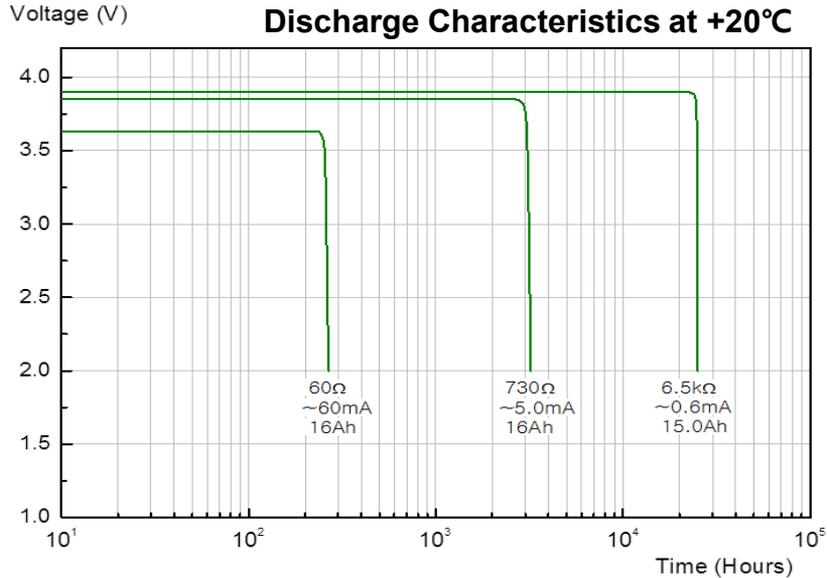


Available Terminal Type
STD, T1, AX, Wire, Connector

Storage Condition

Please store batteries at clean, cool (not over +30°C), dry and ventilated condition

Max Pulse Capability: Maximum Pulse capability reading over 3.0V at 400mA/0.1sec. every 2 min. at +20°C, 10μA/cm² base current with fresh batteries. The pulse capability can be different to the cell status, environment. For max. pulse coverage, capacitor support is recommended.

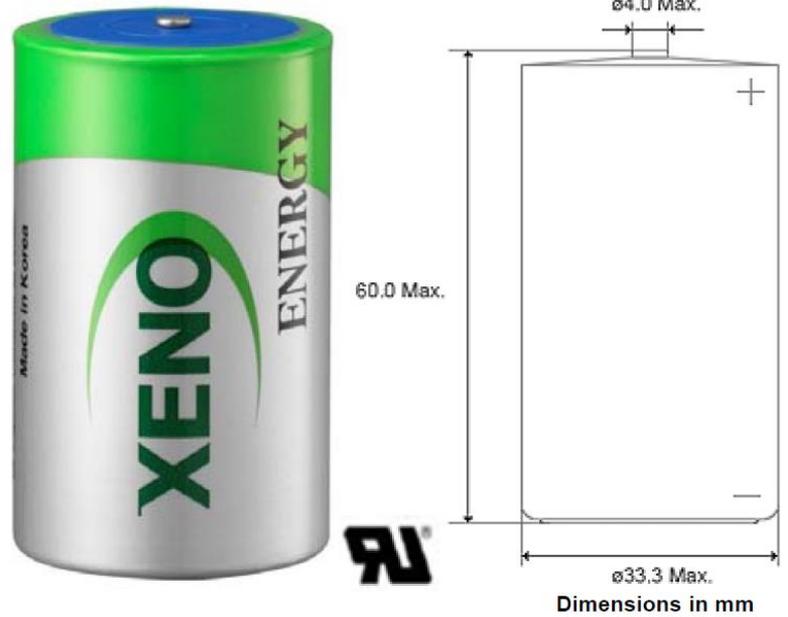


SPECIFICATIONS

Low Magnetic Signature

(Typical values stored at 20°C for one year)

◆ Nominal capacity	19Ah
(at 5mA/20°C/68°F/2.0V cut-off)	
◆ Nominal voltage	3.6V
◆ Max. recommended continuous current	230mA
(Higher current can be available upon consulting)	
◆ Max. pulse current capability ★	400mA
◆ Operating temperature range	-55 ~+85°C
◆ Lithium metal content	approx. 4.8g
◆ Weight	98g
◆ Volume	51.0cm ³
◆ UL Approval	MH28122



Available Terminal Type

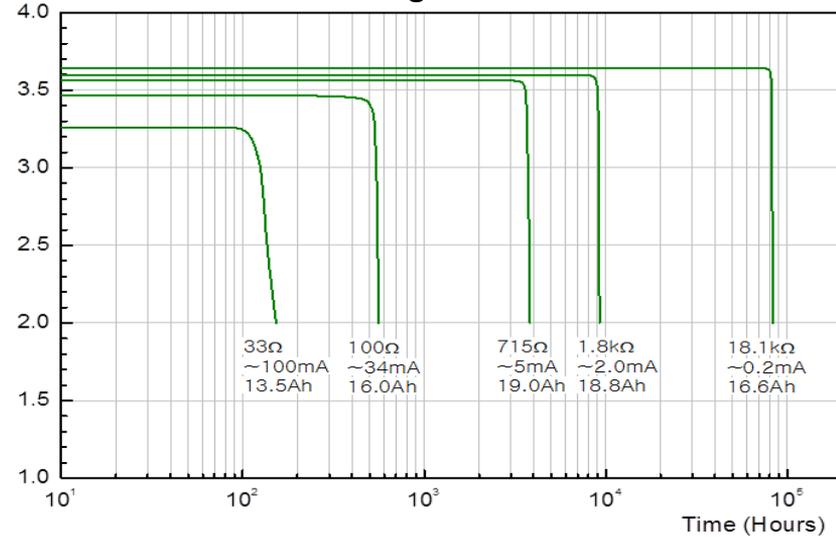
STD, T1, AX, Wire, Connector

Storage Condition

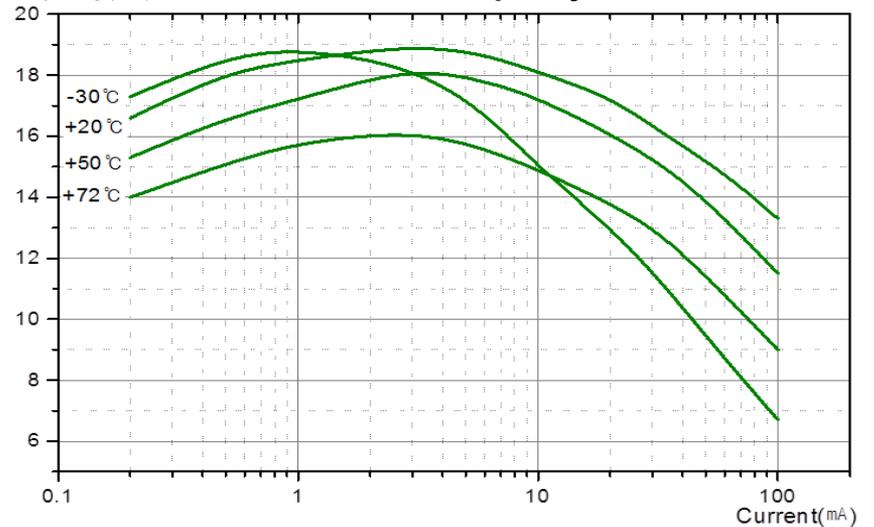
Please store batteries at clean, cool (not over +30°C), dry and ventilated condition

Max Pulse Capability: Maximum Pulse capability reading over 3.0V at 400mA/0.1sec. every 2 min. at +20°C, 10μA/cm² base current with fresh batteries. The pulse capability can be different to the cell status, environment. For max. pulse coverage, capacitor support is recommended.

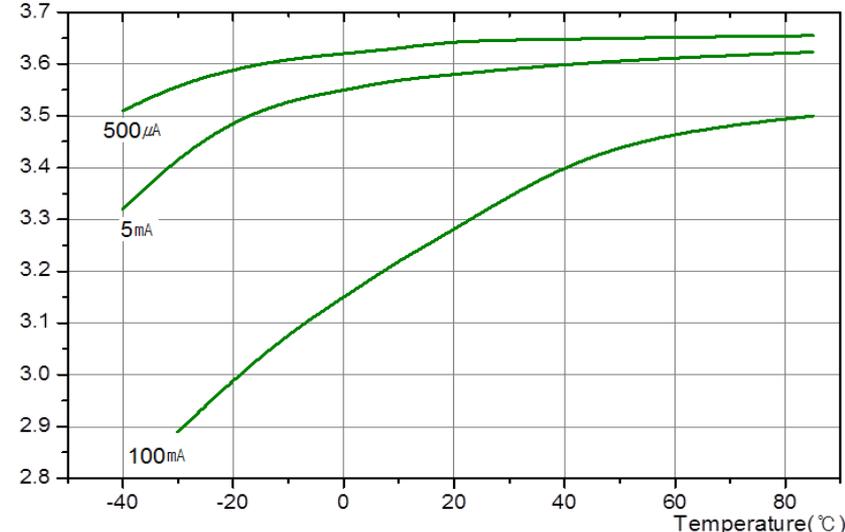
Voltage (V) **Discharge Characteristics at +20°C**



Capacity(Ah) **Capacity versus Current**



Voltage(V) **Operating Voltage**



Major features

Low Self Discharge Rate

- less than 1.5% after 1 year storage at 20°C
- less than 18% after 10 year storage at 20°C

Typical Magnetic Signature

- less than 200mGauss at 6mm
- less than 1.0mGauss at 127mm
- less than 0.3mGauss at 300mm

Applications

Seismic Surveying, Scientific Equipment, Buoys, Oceanographic Instrumentations

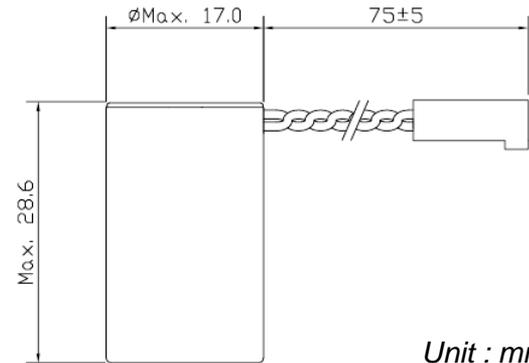
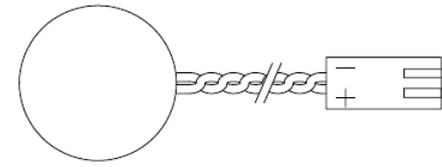
SPECIFICATIONS

(Typical values stored at 20°C for one year)

- ◆ Nominal capacity 1.2Ah
(at 1mA/20°C/68°F/2.0V cut-off)
- ◆ Nominal voltage 3.6V
- ◆ Max. recommended continuous current ★ 50mA
(Higher current can be available upon consulting)
- ◆ Max. pulse current capability ★ 100mA
- ◆ Operating temperature range -55 ~+85°C
- ◆ Case ABS AF366F, UL94 V-0 FR
- ◆ Lithium metal content approx. 0.3g
- ◆ Weight / Volume 9g / 4.3cm³
- ◆ UL Approval MH28122

Max Recommended Continuous Current: Continuous current permitting 15% of the nominal capacity to be achieved at +20°C with 2.0V cut off.

Max Pulse Current Capability: Maximum Pulse capability reading over 3.0V at 100mA/0.1sec. every 2 min. at +20°C, 1mA / cm² base current with fresh batteries.



Unit : mm

Storage Condition

Please store batteries at clean, cool (not over +30°C), dry and ventilated condition

