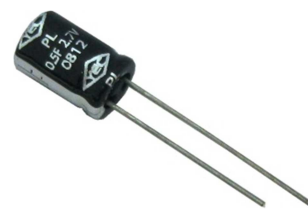




## Power Type

## GPL Series



### Features

- Small size and low-resistance
- Quick charge & discharge
- Environmentally friendly products
- Extended temperature to 85°C
- Humidity resistance @ RH90%

### Certification

- RoHS & REACH compliant
- UL recognized (File No. MH10260)

### Recommended Applications

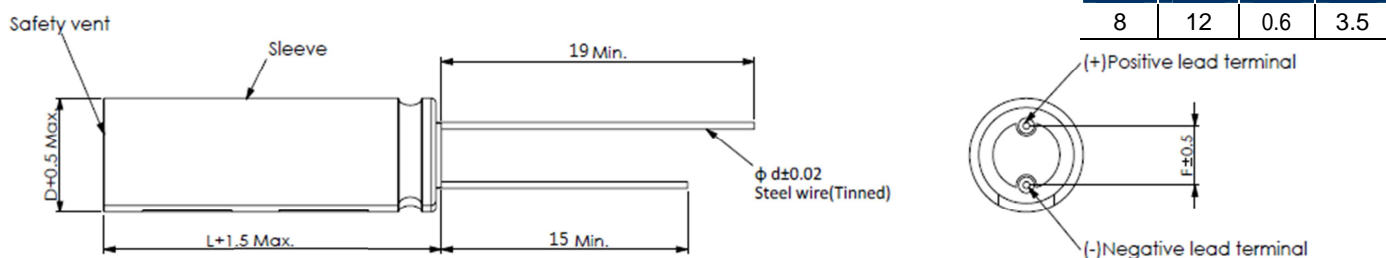
- Pulse power demand
- Hybrid battery packs
- Power tools



### Specification

Items	Characteristics	
Rated Voltage	2.3 V	2.7 V
Operating Temp. (Charge)	-40°C ~ 85°C	-40°C ~ 65°C
Surge Voltage	2.85 V	
Capacitance Tolerance	-20% ~ +30% of Rated Capacitance	
Storage Temp.	-40 °C to 85 °C	-40 °C to 70 °C
Test	Endurance	Standards
High Temp. Life	1000hrs @ Rated Voltage & Max. Operating Temp.	Must to meet standards as below after test: CAP decline < 30% of Initial measurement. ESR < 2 times specification value.
Shelf Life (Non-Charge)	1000hrs @ Max. Operating Temp.	
Life time	10 Years @ Rated Voltage & 25°C	
Cycle Life	500,000 Cycles @ 25°C (Operating Between 50%~100% Of Rated Voltage)	

### Dimensions



### Standard Ratings

Rated Cap (F)	Size (mm)	Max. Internal Resistance (mΩ)		Max. LC (mA)	Stored Energy (Wh)	Specific Energy (Wh/l)		Specific Power (W/kg)		Max. Peak Current (A)	Max. continuous current (A)	I <sub>SC</sub> (A)	Max. Weight (g)	Part Number
		AC (1kHz, 1V)	DC			72hrs, 25°C	(Wh/kg)	(Wh/l)	P <sub>d</sub> (W/kg)					
measure at 25°C	ΦDXL	AC (1kHz, 1V)	DC	72hrs, 25°C	(Wh)	(Wh/kg)	(Wh/l)	P <sub>d</sub> (W/kg)	P <sub>max</sub> (W/kg)	1s to 1/2V (A)	(A)	(A)	(g)	
0.5	8X12	700	1800	0.002	0.0005	0.5063	0.8393	486	1013	0.36	0.05	1.50	1	GPL2R7504M0812