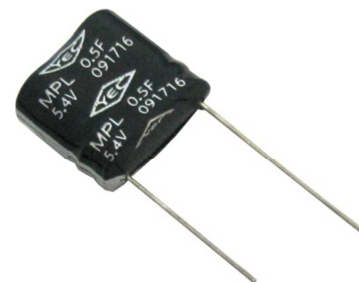




## Power Type

## GMPL Series



### Features

- Low Resistance
- Quick charge & discharge
- Environmentally friendly products
- Passive Balanced Cells
- Extended temperature to 85°C
- Humidity resistance @ RH90%

### Certification

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

### Recommended Applications

- Hybrid Battery Packs
- Stereo and Audio System
- Battery Alternatives
- Renewable Energy Systems



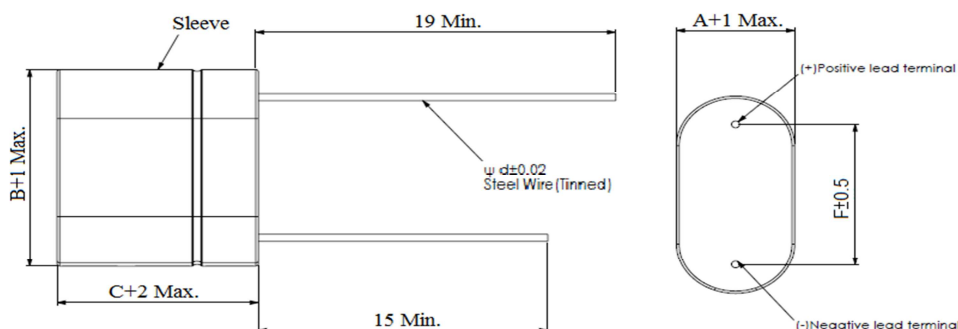
### Specification

Items	Characteristics	
Rated Voltage	5.4V	4.6V
Operating Temp. (Charge)	-40°C ~ 65°C	-40°C ~ 85°C
Surge Voltage	5.7 V	
Capacitance Tolerance	-20% ~ +20% of Rated Capacitance	
Storage Temp.	-40 °C to 85 °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



A	B	C	d	F
9	17	16	0.6	12.3

### Standard Ratings

Rated Cap (F)	Size (mm)	Max. Internal Resistance (mΩ)		Max. LC (mA)	Stored Energy (Wh)	Specific Energy		Specific Power		Max. Peak Current (A)	Max. continuous current (A)	ISC (A)	Max. Weight (g)	Part Number
		AC (1kHz, 1V)	DC			72hrs, 25°C	(Wh/kg)	(Wh/l)	Pd (W/kg)					
measure at 25°C	ΦDXL									1s to 1/2V				
0.5	9x17x16	630	1400	0.09	0.0020	0.8100	0.9332	1000	2083	0.795	0.1	3.86	2.5	GMPL5R4504M

