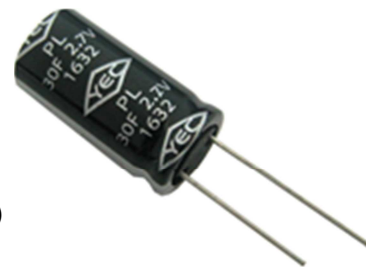




### Power Type

### 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

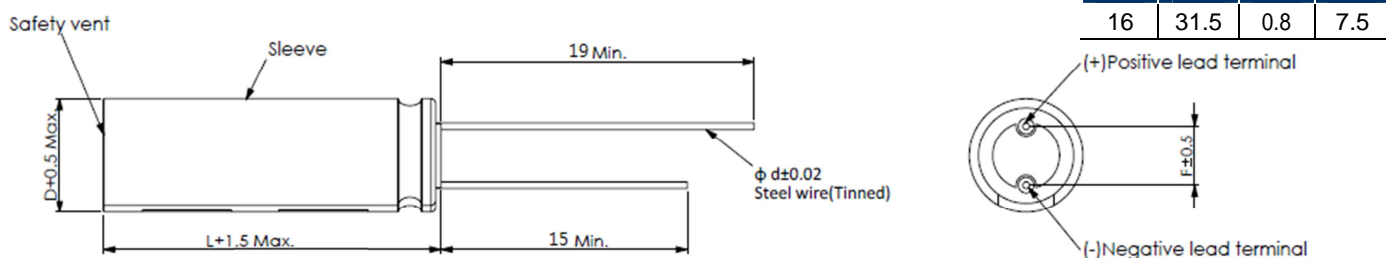
- Pulse power demand
- Hybrid battery packs
- Power tools



#### 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% ~ +20% 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:<br>CAP decline < 30% of Initial measurement.<br>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<br>(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 |        | Specific Power |             | Max. Peak Current (A) | Max. continuous current (A) | ISC (A) | Max. Weight (g) | Part Number    |
|-----------------|-----------|-------------------------------|----|--------------|--------------------|-----------------|--------|----------------|-------------|-----------------------|-----------------------------|---------|-----------------|----------------|
|                 |           | AC (1kHz,1V)                  | DC |              |                    | (Wh/kg)         | (Wh/l) | Pd (W/kg)      | Pmax (W/kg) |                       |                             |         |                 |                |
| measure at 25°C | ΦDXL      |                               |    | 72hrs, 25°C  |                    |                 |        |                |             | 1s to 1/2V            |                             |         |                 |                |
| 30              | 16X31.5   | 25                            | 35 | 0.08         | 0.0304             | 3.4517          | 4.7960 | 2840           | 5917        | 19.76                 | 3                           | 77.14   | 8.8             | GPL2R7306M1632 |