



## Power Type

## PT Series

### Features

- Quick charge & discharge
- Environmentally friendly products
- Extended temperature to 105°C
- Humidity resistance @ RH90% 65°C
- Compliant with key AEC-Q200 tests

### Certification

- RoHS & REACH compliant

### Recommended Applications

- Pulse power demand
- High temperature demand



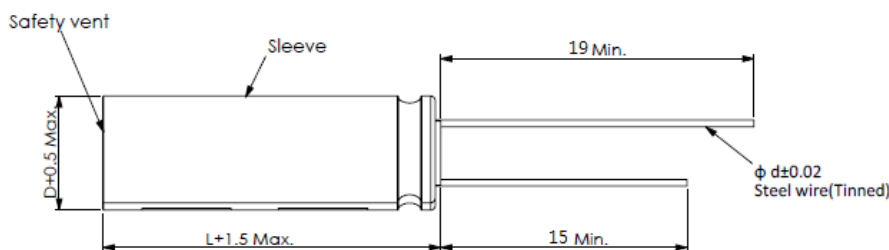
### Specification

| Items                    | Characteristics                  |              |
|--------------------------|----------------------------------|--------------|
| Rated Voltage            | 2.3 V                            | 2.5 V        |
| Operating Temp. (Charge) | -40°C ~ 105°C                    | -40°C ~ 85°C |
| Surge Voltage            | 2.7 V                            |              |
| Capacitance Tolerance    | -20% ~ +20% of Rated Capacitance |              |

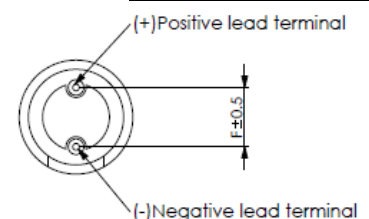
  

| Test            | Endurance  | Standards  |
|-----------------|--|--|
| High Temp. Life | 1000hrs @ Rated Voltage & Max. Operating Temp.   | Must to meet standards as below after test:<br>CAP decline < 30% of Initial measurement.<br>ESR < 2 times specification value. |
| Shelf Life      | After 2 years at 25°C without load, the capacitor shall meet the specified endurance limits. |  |
| Life time       | 10 Years @ Rated Voltage & 25°C  |  |
| Cycle Life      | 500,000 Cycles @ 25°C<br>(Operating Between 50%~100% Of Rated Voltage)                       |  |

### Dimensions



| D | L  | d   | F   |
|---|----|-----|-----|
| 8 | 20 | 0.6 | 3.5 |



### Standard Ratings

| Rated Cap (F)   | Size (mm) | Max. Internal Resistance (mΩ) |     | Max. LC (mA) | Stored Energy (Wh) | Specific Energy (Wh/kg) |        | Specific Power (W/kg) |             | Max. Peak Current (A) | Max. continuous current (A) | ISC (A) | Max. Weight (g) | Part Number   |
|-----------------|-----------|-------------------------------|-----|--------------|--------------------|-------------------------|--------|-----------------------|-------------|-----------------------|-----------------------------|---------|-----------------|---------------|
|                 |           | AC (1kHz, 1V)                 | DC  |              |                    | 72hrs, 25°C             | (Wh/l) | Pd (W/kg)             | Pmax (W/kg) |                       |                             |         |                 |               |
| measure at 25°C | ΦDXL      |                               |     |              |                    |                         |        |                       |             | 1s to 1/2V (A)        |                             |         |                 |               |
| 3.3             | 8X20      | 200                           | 450 | 0.022        | 0.0024             | 1.5154                  | 2.5387 | 882                   | 1837        | 1.527                 | 0.33                        | 5.11    | 1.6             | PT2R3335M0820 |

