

# Super Capacitor

## HP-2R7-J475VY LL

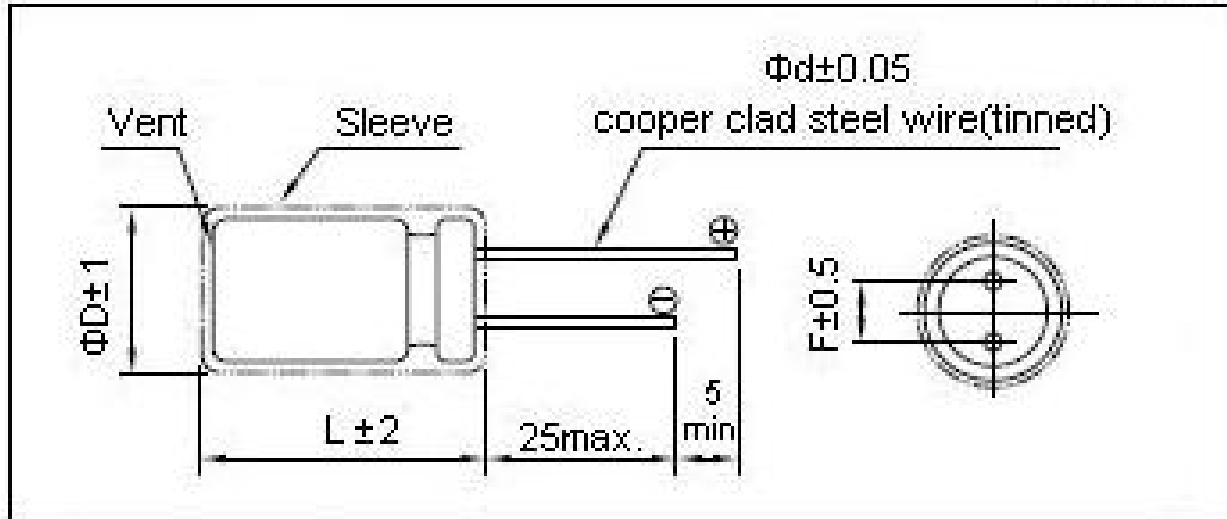
### Specification

|                                                                     |                                                                                                                                                                                                     |
|---------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Rate discharge capacitance (F 25°C $\Delta V=1.5V-1.25V$ $I=0.1A$ ) | 4.7                                                                                                                                                                                                 |
| Capacitance tolerance                                               | -20%~+80%                                                                                                                                                                                           |
| Nominal Voltage $U_0$ (V)                                           | 2.7                                                                                                                                                                                                 |
| Operating temperature range                                         | -25°C~70°C                                                                                                                                                                                          |
| MAX.ESR(m $\Omega$ 1KHz)                                            | 110                                                                                                                                                                                                 |
| Dimension(mm $\phi$ D x L)                                          | 12.5x21                                                                                                                                                                                             |
| Down-lead distance(mm P)                                            | 5 $\pm$ 0.5                                                                                                                                                                                         |
| Down-lead diameter(mm $\phi$ d)                                     | 0.6 $\pm$ 0.05                                                                                                                                                                                      |
| Cycle life Expectancy                                               | Nominal voltage , 100,000 times charge-discharge circle $ \Delta C/C  \leq 30\%$ of the initial value, ESR $\leq$ 4 times of the specified value(25°C)                                              |
| Temperature characteristics                                         | +70°C, $ \Delta C/C  \leq 30\%$ of the initial value<br>ESR $\leq$ specified value(25°C)<br>-25°C, $ \Delta C/C  \leq 50\%$ of the initial value<br>ESR $\leq$ 4 times of the specified value(25°C) |
| High temperature load characteristics                               | +70°C $\pm$ 2, nominal voltage, After 1000h<br>$ \Delta C/C  \leq 30\%$ of the initial value<br>ESR $\leq$ 4 times of the specified value(25°C)                                                     |
| High temperature without load characteristics                       | Same with the High temperature load characteristics                                                                                                                                                 |
| Humidity Resistance                                                 | +40°C $\pm$ 2 , 90--95% RH , After 240h<br>$ \Delta C/C  \leq 30\%$ of the initial measured value<br>IL $\leq$ 2 times of specified value (25°C)<br>ESR $\leq$ 4 times of specified value (25°C)    |

Note:Information above just for your reference, more details please contact Green Energy Battery Co.,Ltd.

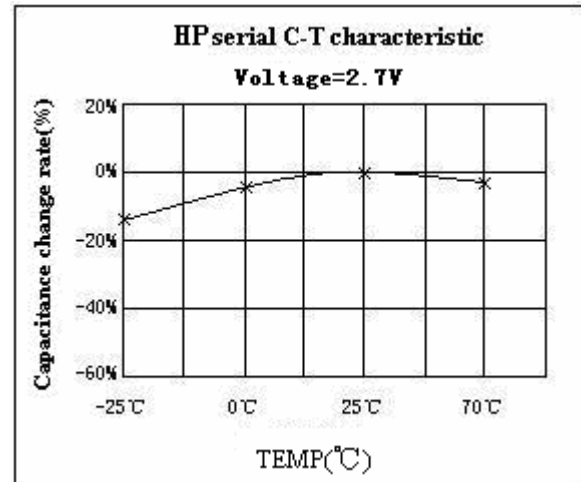
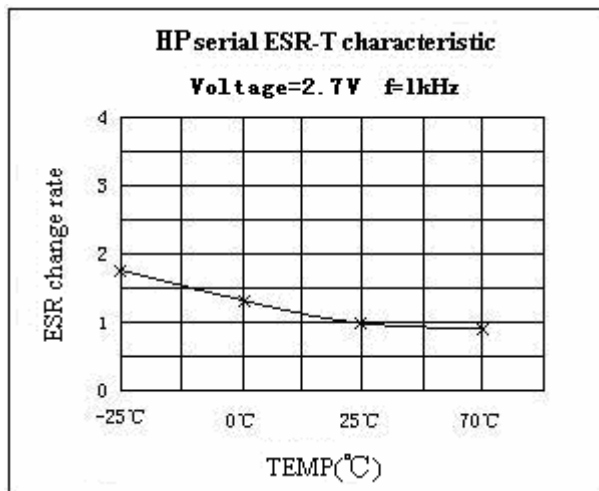
## Figure and Dimension

Unit : mm

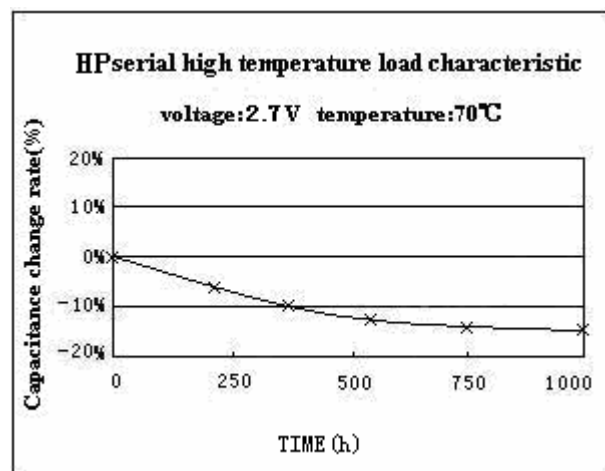
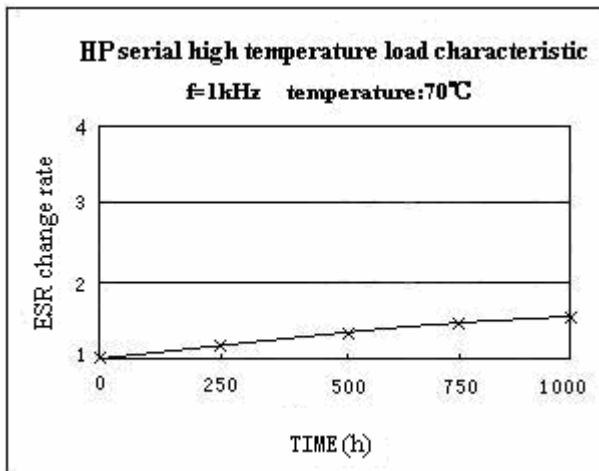


## Characteristics Test Results

### (1). Temperature characteristics



### (2). Life characteristics



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