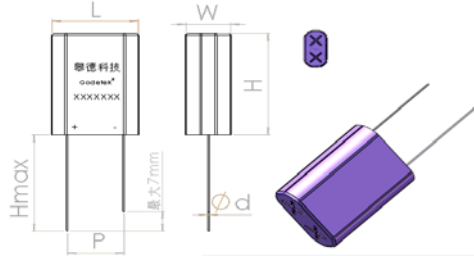
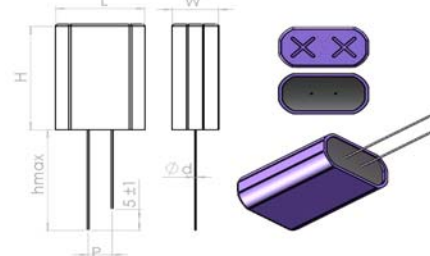


**灌胶模组图示 Dimentions (mm)**

| 规格    | Φ8    | Φ10  | Φ12.5 |
|-------|-------|------|-------|
| L±1   | 18    | 22   | 27    |
| W±1   | 9.6   | 11.6 | 14    |
| H     | H±1.5 |      |       |
| P±0.5 | 11.8  | 15.5 | 18    |



| 规格    | Φ8    | Φ10  | Φ12.5 |
|-------|-------|------|-------|
| L±1   | 18    | 22   | 27    |
| W±1   | 9.6   | 11.6 | 14    |
| H     | H±1.5 |      |       |
| P±0.5 | 5.0   | 5.0  | 7.5   |


**产品规格 Specifications**

| 项目 Item                    | 性能 Performance |               |
|----------------------------|----------------|---------------|
| 封装方式                       | 灌胶模组           | 灌胶模组          |
| 工作电压 Working Voltage       | 5.5V. DC       | 6.0V. DC      |
| 浪涌电压 Surge Voltage         | 5.7V. DC       | 6.15V. DC     |
| 容量范围 Nominal Cap. Range    | 0.47F to 7.5F  | 0.47F to 7.5F |
| 工作温度 Operating Temperature | -40°C ~ +70°C  | -40°C ~ +65°C |


**典型产品 Standard Products**

| 产品编码<br>Part number | 额定电压<br>Rated Voltage<br>(V) | 标称容量<br>Rated Cap.<br>(F) | 尺寸<br>Size<br>L×ΦD×H<br>(mm) | 最大内阻<br>Max. ESR   |               | 最大漏电流<br>Maximum Leakage Current<br>(72hrs/mA) | 额定电流<br>Rated current<br>(A) | 峰值电流<br>Peak Current<br>(A) | 功率密度<br>Power Density<br>(kW/kg) | 最大能量<br>Maximum Energy<br>(mWh) | 能量密度<br>Energy Density<br>(Wh/kg) |
|---------------------|------------------------------|---------------------------|------------------------------|--------------------|---------------|------------------------------------------------|------------------------------|-----------------------------|----------------------------------|---------------------------------|-----------------------------------|
|                     |                              |                           |                              | ESRAC<br>(1kHz/mΩ) | ESRDC<br>(mΩ) |                                                |                              |                             |                                  |                                 |                                   |
| GDW05R5S474L0812GG  | 5.5                          | 0.47                      | 18×9.6×17                    | 400                | 800           | 0.008                                          | 0.24                         | 0.94                        | 2.19                             | 1.97                            | 0.46                              |
| GDW05R5K105L0812GG  | 5.5                          | 1.0                       | 18×9.6×17                    | 340                | 680           | 0.010                                          | 0.48                         | 1.64                        | 2.48                             | 4.20                            | 0.94                              |
| GDW05R5K105L0816GG  | 5.5                          | 1.0                       | 18×9.6×21                    | 260                | 520           | 0.010                                          | 0.50                         | 1.81                        | 2.82                             | 4.20                            | 0.82                              |
| GDW05R5K155L0820GG  | 5.5                          | 1.5                       | 18×9.6×25                    | 230                | 460           | 0.014                                          | 0.72                         | 2.44                        | 2.77                             | 6.30                            | 1.06                              |
| GDW05R5R255L1020GG  | 5.5                          | 2.5                       | 22×11.6×25                   | 140                | 280           | 0.016                                          | 1.21                         | 4.04                        | 2.87                             | 10.50                           | 1.12                              |
| GDW05R5K355L1020GG  | 5.5                          | 3.5                       | 22×11.6×25                   | 140                | 280           | 0.020                                          | 1.61                         | 4.86                        | 2.81                             | 14.70                           | 1.53                              |
| GDW05R5K505L1025GG  | 5.5                          | 5.0                       | 22×11.6×32                   | 120                | 240           | 0.030                                          | 2.22                         | 6.25                        | 2.98                             | 21.01                           | 1.99                              |
| GDW05R5K755L1225GG  | 5.5                          | 7.5                       | 27×14×31.5                   | 90                 | 180           | 0.045                                          | 3.25                         | 8.78                        | 2.65                             | 31.51                           | 1.99                              |
| GDW06ROS474L0812GG  | 6.0                          | 0.47                      | 18×9.6×17                    | 400                | 800           | 0.010                                          | 0.26                         | 1.02                        | 2.61                             | 2.35                            | 0.55                              |
| GDW06R0K105L0812GG  | 6.0                          | 1.0                       | 18×9.6×17                    | 340                | 680           | 0.012                                          | 0.53                         | 1.79                        | 2.95                             | 5.00                            | 1.11                              |
| GDW06R0K105L0816GG  | 6.0                          | 1.0                       | 18×9.6×21                    | 260                | 520           | 0.012                                          | 0.54                         | 1.97                        | 3.36                             | 5.00                            | 0.97                              |
| GDW06R0K155L0820GG  | 6.0                          | 1.5                       | 18×9.6×25                    | 230                | 460           | 0.017                                          | 0.79                         | 2.66                        | 3.30                             | 7.50                            | 1.26                              |
| GDW06R0R255L1020GG  | 6.0                          | 2.5                       | 22×11.6×25                   | 140                | 280           | 0.019                                          | 1.32                         | 4.41                        | 3.41                             | 12.50                           | 1.33                              |
| GDW06R0K355L1020GG  | 6.0                          | 3.5                       | 22×11.6×25                   | 140                | 280           | 0.024                                          | 1.76                         | 5.30                        | 3.35                             | 17.50                           | 1.82                              |
| GDW06R0K505L1025GG  | 6.0                          | 5.0                       | 22×11.6×32                   | 120                | 240           | 0.036                                          | 2.42                         | 6.82                        | 3.55                             | 25.00                           | 2.37                              |
| GDW06R0K755L1225GG  | 6.0                          | 7.5                       | 27×14×31.5                   | 90                 | 180           | 0.054                                          | 3.54                         | 9.57                        | 3.15                             | 37.50                           | 2.37                              |

PS: 特殊规格可定制, 详情咨询!

## &gt;&gt;&gt; 产品可靠性测试项目及方法 Product reliability test

| 项目 Item                              | 性能 Performance Characteristic                                                                                                                          |                                          |      |                                           |
|--------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------|------|-------------------------------------------|
| 温度特性<br>Temperature characteristics  | 温度temperature: TMin±2℃                                                                                                                                 | 70℃                                      |      | ‘-40℃                                     |
|                                      | 测试时长 duration of storage:                                                                                                                              | 16h                                      |      | 2h                                        |
|                                      | 容量变化 Capacitance Change                                                                                                                                | ≤ 初始值的30%<br>≤ 30% of initial value      |      | ≤ 初始值的30%<br>≤ 30% of initial value       |
|                                      | 内阻变化 Internal Resistance                                                                                                                               | ≤ 规定值<br>≤ Regulated value               |      | ≤ 规定值的4倍<br>≤ 4 times the specified value |
|                                      | 外观变化 Appearance                                                                                                                                        | 无显著变化<br>No remarkable change            |      | 无显著变化<br>No remarkable change             |
| 高温负荷寿命<br>High temperature load life | 额定电压 nominal voltage                                                                                                                                   | 5.5V                                     | 6.0V | 5.0V                                      |
|                                      | 温度temperature:                                                                                                                                         | 70℃                                      | 65℃  | 85℃                                       |
|                                      | 测试时长duration of testing: 1,000h                                                                                                                        |                                          |      |                                           |
|                                      | 容量变化 Capacitance Change                                                                                                                                | ≤ 初始值的30%<br>≤ 30% of initial value      |      |                                           |
|                                      | 内阻变化 Internal Resistance                                                                                                                               | ≤ 规定值的4倍<br>≤ 4 times of specified value |      |                                           |
|                                      | 外观变化 Appearance                                                                                                                                        | 无显著变化<br>No remarkable change            |      |                                           |
| 高温存储<br>High temperature storage     | 温度temperature: 70℃<br>测试时长duration of testing: 1,000±4h                                                                                                |                                          |      |                                           |
|                                      | 容量变化 Capacitance Change                                                                                                                                | ≤ 初始值的30%<br>≤ 30% of initial value      |      |                                           |
|                                      | 内阻变化 Internal Resistance                                                                                                                               | ≤ 规定值的2倍<br>≤ 2 times of specified value |      |                                           |
|                                      | 外观变化 Appearance                                                                                                                                        | 无显著变化<br>No remarkable change            |      |                                           |
| 湿热特性<br>Humidity characteristic      | 电压voltage: 额定电压nominal voltage<br>相对湿度relative humidity: 90%~95%<br>测试时长duration of testing: 240h<br>温度temperature: 40±2℃                              |                                          |      |                                           |
|                                      | 容量变化 Capacitance Change                                                                                                                                | ≤ 初始值的30%<br>≤ 30% of initial value      |      |                                           |
|                                      | 内阻变化 Internal Resistance                                                                                                                               | ≤ 规定值的4倍<br>≤ 4 times of specified value |      |                                           |
|                                      | 外观变化 Appearance                                                                                                                                        | 无显著变化<br>No remarkable change            |      |                                           |
| 循环寿命<br>Cycle life characteristics   | 在25℃下，用恒定电流使电容器在额定电压和半额定电压间循环充放电50万次。<br>Capacitors cycles between rated voltage and half rated voltage under constant current at +25℃ (500,000cycles) |                                          |      |                                           |
|                                      | 容量变化 Capacitance Change                                                                                                                                | ≤ 初始值的30%<br>≤ 30% of initial value      |      |                                           |
|                                      | 内阻变化 Internal Resistance                                                                                                                               | ≤ 规定值的4倍<br>≤ 4 times of specified value |      |                                           |
|                                      | 外观变化 Appearance                                                                                                                                        | 无显著变化<br>No remarkable change            |      |                                           |