## ■ Typical application 典型应用

- Subway energy storage system
  地铁线路储能系统
- Start power module of passenger car
  乘用车启动电源模块
- Backup power supply for fan rotor control system
  风机变桨控制系统的后备电源
- Energy storage system for construction machinery
  工程机械储能系统
- Micro network storage
  微网储能



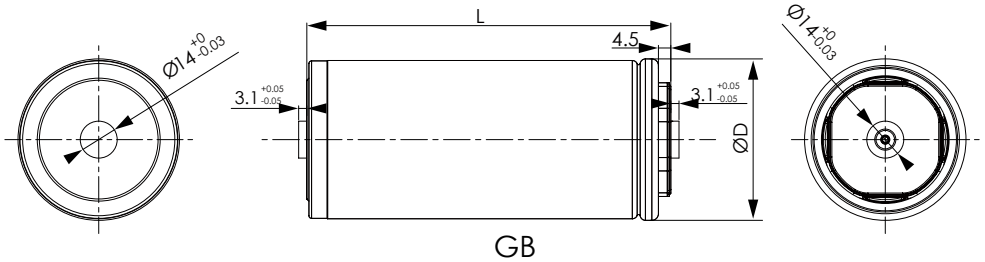

Concept product image

| Item<br>项目 | Characteristics<br>特性 | | |
|---|---|---|---|
| Rated Voltage<br>额定电压 | 2.7V | | |
| Operating Temperature Rang<br>工作温度范围 | -40~+65℃ | | |
| Surge Voltage<br>浪涌电压 | 2.85V | | |
| Capacitance Range<br>容量范围 | 1200~3400 F | | |
| Capacitance Tolerance<br>容差范围 ( 25℃ ) | R: 0~+20%, T: 0~+50% | | |
| Temperature Characteristics<br>温度特性 | The specifications shall be met at category temperature of 65℃<br>在 65℃时应满足的规范 | Capacitance<br>容量 | Above 90% of the specified value<br>额定容量的 90% 以上 |
| | | $ESR_{DC}$<br>直流内阻 | Not more than the specified value<br>不超过规定值 |
| | The specifications shall be met at category temperature of -40℃<br>在 -40 ℃时应满足的规范 | Capacitance<br>容量 | Above 80% of the specified value<br>额定容量的 80% 以上 |
| | | $ESR_{DC}$<br>直流内阻 | Not more than 200% of the specified value<br>不超过规定值的 2 倍 |
| High Temperature Loaded<br>高温负荷 | The specifications shall be met after rated voltage applied at 65 ℃ for 1500hours<br>在 65℃温度下，以额定电压恒压 1500h 后，应满足的规范 | Capacitance<br>容量 | Above 80% of the specified value<br>额定容量的 80% 以上 |
| | | $ESR_{DC}$<br>直流内阻 | Not more than 200% of the specified value<br>不超过规定值的 2 倍 |
| High Temperature Storage<br>高温存储 | The specifications shall be met after storage at 70℃ for 1000 hours<br>在 70℃温度下，不加电压储存 1000h 后，应满足的规范 | Capacitance<br>容量 | Above 80% of the specified value<br>额定容量的 80% 以上 |
| | | $ESR_{DC}$<br>直流内阻 | Not more than 200% of the specified value<br>不超过规定值的 2 倍 |
| Cycle Life<br>循环寿命 | The specifications shall be met after 1,000,000 cycles at 25℃ , cycle of charge/discharge from $V_R$ to $1/2V_R$<br>在 25℃温度下，$V_R$ ~ $1/2V_R$ 充放电循环 1,000,000 次后，应满足的规范 | Capacitance<br>容量 | Above 80% of the specified value<br>额定容量的 80% 以上 |
| | | $ESR_{DC}$<br>直流内阻 | Not more than 200% of the specified value<br>不超过规定值的 2 倍 |

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## Dimensions 尺寸

mm




GB

## Standard Ratings for B27 Series

| $U_R$ (Surge Voltage) Code 额定电压 ( 浪涌电压 ) 代码 | Rated Cap. 25℃ 额定容量 25℃ (*) | $ESR_{DC}$ 直流内阻 | Leakage Current 漏电流 (72hrs) | Maximum Continuous Current 最大持续电流 ( △ t=15℃ ) | Maximum Continuous Current 最大持续电流 ( △ t=40℃ ) | Size 尺寸 ΦD x L | Weight 重量 |
|---|---|---|---|---|---|---|---|
| (V) | (F) | (mΩ) | (mA) | (A) | (A) | (mm) | (g) |
| 2.7 (2.85) 2R7 | 1200 | 0.36 | 4 | 70 | 110 | 61×74 | 262 |
| | 1650 | 0.28 | 6 | 84 | 140 | 61×85 | 320 |
| | 3000 | 0.23 | 7 | 130 | 210 | 61×138 | 500 |
| | 3400 | 0.24 | 8 | 140 | 225 | 61×138 | 510 |

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