

■ Features

- PP film design, good temperature characteristics
- Stable capacity
- Low ESR, high ripple current handling capabilities
- Self-healing property
- Plastic case, filled with fire-retardant resin

■ Applications

- Transportation: HEV or EV

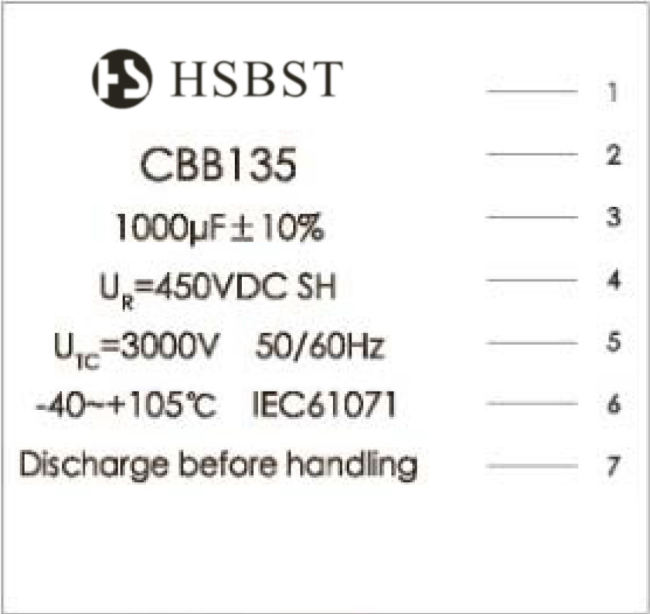
■ 特点

- 采用聚丙烯薄膜，温度特性好
- 容值稳定，变化率小
- 等效串联电阻小，能承受较大的纹波电流
- 有自愈性
- 塑料外壳，阻燃树脂灌封

■ 应用场合

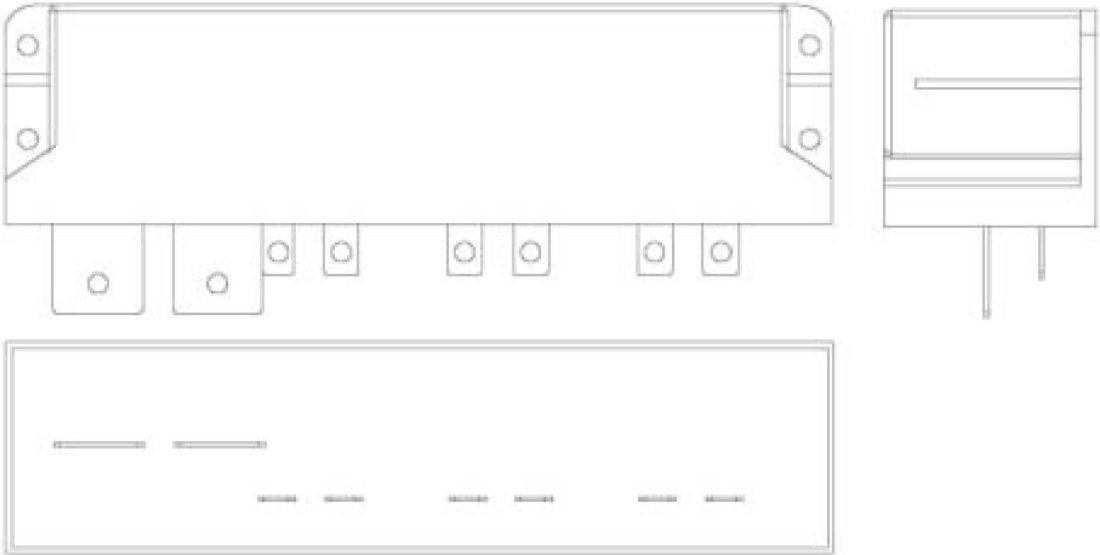
- 交通工具，如：电动车和混合动力车

标识 Marking



NO.	项 目 Item
1	商 标 Brand
2	产品系列 Products series
3	容量和偏差 Capacitance and Tolerance
4	额定电压和自愈性 Rated voltage and Self-healing property
5	端子与铝壳电压 U <sub>TC</sub> Voltage Between Terminals and Case
6	温度范围 Temperature Range 引用标准 Reference Standard
7	安全警示 Safety warning

■ 外型图 Dimensions



## ■ 性能特性 Specifications

项目 Item	特性 Characteristics
引用标准 Reference Standard	GB/T 17702 (IEC 61071)
气候类别 Climatic Category	40/105/56
工作温度范围 Operating Temperature Range	-40~+105 °C ( $\Theta_{\max(\text{hotspot})} \leq 105$ °C) $\Theta_{\max(\text{hotspot})} = 85$ °C~105 °C: decreasing factor 1.5% per °C for $U_R(\text{dc})$
存储温度范围 Storage Temperature Range	-40~+105 °C
额定电压 $U_R$ Rated Voltage	450~800 V <sub>DC</sub>
电容量范围 Capacitance Range	400~ 1500 $\mu\text{F}$
电容量偏差 Capacitance Tolerance	±5% (J), ±10% (K)
端子与端子电压 $U_{TT}$ Voltage Between Terminals	$1.5 \times U_R V_{DC}$ , 10 s(20 °C, 50 Hz)
端子与铝壳电压 $U_{TC}$ Voltage Between Terminals and Case	$2 \times U_i + 1000$ or $3000 V_{AC}$ 取大者, 10 s(20 °C, 50 Hz)
介质损耗角正切 Dielectric Dissipation Factor	$\leq 2 \times 10^{-4}$
绝缘电阻 Insulation Resistance	$\geq 5000 \text{ M}\Omega \cdot \mu\text{F}$ (20 °C, 100 V <sub>DC</sub> , 1 min)
过电压 Over Voltage	1.1 $U_R$ (30 % of on-load-duration)
	1.15 $U_R$ (30 min/day)
	1.2 $U_R$ (5 min/day)
	1.3 $U_R$ (1 min/day)
	1.5 $U_R$ (30 ms every time, 100 ms/day)
预期寿命 Life Expectancy	100000 hours ( $U_R$ , $\Theta_{\text{hotspot}} = 70$ °C)
失效率 Failure Rate	100 FIT

Customer products are available on request.

根据客户要求定制。

## ■ 预期寿命曲线 Expected lifetime curve

