

## 金属化膜储能电容器 Metallized Film Stored Energy Capacitors



### ● 产品描述 Descriptions of Products

- 执行标准GB/T 17702 idt IEC 61071;
  - 金属化聚丙烯膜无感卷绕、干式结构;
  - 金属外壳、高性能阻燃环氧树脂封装;
  - 可提供多样化的铜质引出端子;
  - 优异的自愈特性和充放电特性。
- Reference standard: GB/T 17702 idt IEC 61071.
  - Metallized polypropylene / polyester film wound, non-inductive construction.
  - Mental shell , sealed by flame-retardant epoxy resin with excellent property.
  - Various copper terminals are available.
  - Excellent self-healing property , charging and discharging performance.

### ● 工艺特点 Technology Features

- 选用特殊金属化膜，可获得高的能量/体积比;
  - 采用干式结构，更有安全性和符合绿色环保要求。
- To select special metallized film to obtain ratio of energy/ volume.
  - To adopt dry construction assuring safety property and meeting requirements of green environmental protection.

### ● 典型应用 Typical Applications

- 高能脉冲激光器;
  - 充磁/消磁机;
  - 刹车能量回收系统。
- High energy pulse laser device.
  - Magnetizing apparatus/ degausser.
  - Regenerative braking system.

● 性能指标 Specifications

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| 温度范围 (与工作电流有关)<br>Temperature Range                                    | -40 ~ +85°C (Relating to operating current)  |
| 电容量范围 (可根据客户要求定制)<br>Capacitance Range                                 | 20~1000μF (Others made to order available)   |
| 电容量偏差 $\Delta C/C$<br>Capacitance Tolerance $\Delta C/C$               | J: $\pm 5\%$ K: $\pm 10\%$                   |
| 额定工作电压 $U_n$ (可根据客户要求定制)<br>Rated Voltage $U_n$                        | 300~3000Vdc (Others made to order available) |
| 端子间电压 $U_{TT}$<br>Voltage Proof Between Terminals $U_{TT}$             | 1.4 $U_n$ (60s 25°C)                         |
| 端子与外壳间电压 $U_{TC}$<br>Voltage Proof Between Terminals And Case $U_{TC}$ | 2 $U_i$ +1000V或2000V, 取最大值                   |

● 代表规格 Representative Specifications

| Part Number   | Cap  | W    | H    | T    | 引出端子       | Ipp   |
|---------------|------|------|------|------|------------|-------|
|               | (μF) | (mm) | (mm) | (mm) | (mm)       | (A)   |
| CNB 1000V 257 | 250  | 160  | 130  | 100  | M / M8*20  | 7500  |
| CNB 1200V 228 | 2200 | 260  | 160  | 165  | F / M6*7,5 | 44000 |
| CNB 2000V 407 | 400  | 310  | 280  | 110  | M / M10*30 | 26000 |
| CNB 900V 578  | 5700 | 340  | 260  | 165  | M/M12*38   | 57000 |
| CNB 2300V 478 | 4700 | 580  | 220  | 400  | M/M12*25   | 94000 |

\*可根据客户需求, 提供定制产品。 \*Special design available to meet your requirements.