



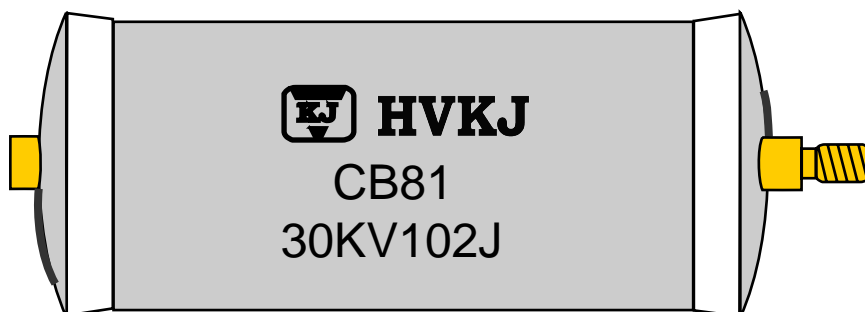
产品规格书

Product Reference Specification

CB81 Series

聚苯乙烯高压薄膜介质电容器

Polystyrene High Voltage Film Dielectric Capacitor



CB81-30KV102J

Ultra-High Voltage

85°C Max

RoHS

01 特点 / Characteristic

负温度系数 / Negative temperature coefficient,
 电容量稳定 / Capacitance stability,
 绝缘电阻高 / High insulation resistance,
 正切损耗低 / Low loss angle.

02 应用 / Application

用于电子设备中的滤波、倍压等直流脉动电路中。
 Used in DC pulsation circuits such as filtering and voltage doubling in electronic devices

03 电容器的环境条件 / Environmental Conditions Of Capacitors

工作温度 / Working temperature: -40° C to +105° C
 相对湿度 / Relative humidity: 80%
 大气压力 / Atmospheric pressure: 800~650mmHg
 振动强度 / Vibration intensity: Acceleration up to 5g

04 电容器命名规则 / Naming Rules For Capacitors

CB
81
-
30KV
102
J
-
28060

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6

- ① 聚苯乙烯电容器系列： / Polystyrene capacitor series.
- ② 高电压螺丝连接型： / High voltage screw connection type.
- ③ 额定电压： / Rated DC Voltage: DC 30KV
- ⑤ 误差说明： / Tolerance Note:

Code Letter	Tolerance
J	±5%
K	±10%
M	±20%

- ④ 标称容量： / Nominal capacity:
 - * 用三个数字表示，单位是皮法拉 (pF)。
Expressed by three figures. The unit is pico-farad (pF).
 - * 第一和第二个数字是有效数字。
The first and second figures are significant digits.
 - * 第三个数字表示前二位有效数字乘以10的N次方。
And the third figure expresses the number of zeros which follow the two numbers.
 - * 例如： / In case of : 1 0 2 = 10 x 100 = 1,000pF
 ↳ 0 = x1, 1 = x10, 2 = x100, 3 = x1000, 4 = x10000
- ⑥ 尺寸代码： / Size code: 28060 (28=D28.0mm,060=L60.0mm).

05 电容参数表 / Capacitor Parameter Table

额定直流工作电压 Rated DC working voltage	30.0kV(DC)	标称容量范围 Nominal capacitance range	1,000pF
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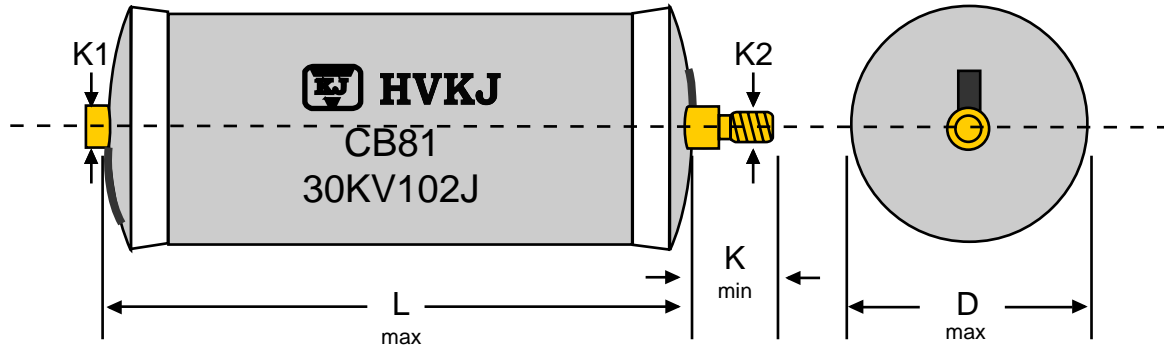
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06 外形尺寸示意图 / Outline Dimension Diagram

UNIT:mm



体积代码 Size code	D	L	K	K1螺母 Screw Nut	K2螺栓 Screw Bolt	大约重量 Approximate Weight
28060	28.0	60	13.0	M5#		44
						g / 克

07 技术要求 / Technical Specifications

1. 试验电压：电容器在正常大气条件下，接线头间承受以下条件规定直流试验电压作用无击穿和飞弧现象。

Test voltage: Under normal atmospheric conditions, the capacitor shall withstand the following conditions between the terminals, and there shall be no breakdown or arc phenomenon under the specified DC test voltage.

额定直流工作电压 / Rated DC working voltage:	10~20kV	25kV
直流测试电压 / DC test voltage:	1.5U _R	1.2U _R

2. 损耗角正切值和电容器温度系数不规定。

The tangent value of the loss angle and the temperature coefficient of the capacitor are not specified.

3. 电容器在正常大气条件下和试验后的主要参数应该符合以下规定：

The main parameters of capacitors under normal atmospheric conditions and after testing should comply with the following regulations:

项目 Item	正常大气条件下 Under normal atmospheric conditions	机械负荷后 After mechanical load	高温负荷后 After high temperature load
电容量变化 Change of capacitance	--	± (2.5%+3pF)	
绝缘电阻值 Insulation resistance value	200000M	--	100000M

解释：本系列电容器标称的体积尺寸和重量可能与实际产品存在误差，如客户需准确数值，请与我们联系。

Note: The nominal volume size and weight of this series of capacitors may have errors with the actual product. If the customer needs accurate values, please confirm with us.