



C14
CBB81 series

高压金属化聚丙烯膜/箔式电容器

High-voltage metallized polypropylene film/foil capacitor

■ 外形图 Outline Drawing

| | | Forming Lead Shapes | | | |
|---------------------------------------|--|---------------------|-----------------|-----------------|-----------------|
| | | I | II | III | IV |
| | | P > F | | P < F | |
| | | 0mm < P-F < 3mm | 3mm < P-F < 8mm | 3mm < F-P < 5mm | 0mm < F-P < 3mm |
| F ± 1.0mm; A < 5.0mm; B = 4.5 ± 0.5mm | | | | | |

■ 特点

- 金属化聚丙烯膜箔式，卷绕结构
- 损耗小，内部温升小
- 负电容量温度系数
- 阻燃环氧粉末包封(UL94/V-0)

■ 主要用途

- 大屏幕显示器及彩电行逆程电路
- 适用于高脉冲，大电流电路
- 适用于电子镇流器

■ 技术要求 Specifications

■ Features

- metallized polypropylene film/foil, wound construction
- Low loss and small inherent temperature rise
- Negative temperature coefficient of capacitance
- Flame retardant epoxy resin powder coating (UL94/V-0)

■ Typical Applications

- Horizontal resonance circuits of large screen monitor and colour TV
- Suitable for high pulse and high current loading circuit
- Suitable for electronic ballast

| | | | | | | |
|--|--|-------------|--------|--------|--------|--------|
| 引用标准 Reference Standard | GB/T 14579 (IEC 60384-17) | | | | | |
| 气候类别 Climatic Category | 40/105/21 | | | | | |
| 额定温度 Rated Temperature | 85℃ | | | | | |
| 工作温度 Operating Temperature Range | -40℃~105℃ (+85℃ to +105℃: decreasing factor 1.25% per °C for U _R) | | | | | |
| 额定电压 Rated Voltage | 630V, 800V, 1 000/1 250V, 1 600V, 2 000V, 2 500V | | | | | |
| 电容量范围 Capacitance Range | 0.0010 μF~0.10μF | | | | | |
| 电容量偏差 Capacitance Tolerance | ± 3%(H), ± 5%(J), ± 10%(K) | | | | | |
| 耐电压 Voltage Proof | 1.75U _R (5s) | | | | | |
| 损耗角正切 Dissipation Factor | ≤ 10 × 10 ⁻⁴ (1kHz, 20℃) ≤ 20 × 10 ⁻⁴ (10kHz, 20℃) | | | | | |
| 绝缘电阻 Insulation Resistance | ≥ 50 000MΩ (20℃, 100V, 1min) | | | | | |
| 最大脉冲爬升速率Maximum Pulse Rise Time (dV/dt): 若实际工作电压U比额定电压U _R 低，电容器可工作在更高的dV/dt场合。这样dV/dt允许值应为右表值乘以U _R /U。 If the working voltage (U) is lower than the rated voltage (U _R), the capacitor can be worked at a higher dV/dt. In this case, the maximum allowed dV/dt is obtain by multiplying the right value with U _R /U. | Pattern I | | | | | |
| | U _R (V) | dV/dt(V/μs) | | | | |
| | | P=15.0 | P=19.0 | P=22.0 | P=25.0 | P=27.0 |
| | 800 | 15 000 | 14 000 | 12 000 | -- | -- |
| | 1 000/1 200 | 30 000 | 20 000 | -- | 15 000 | -- |
| | 1 600/2 000 | 36 000 | 22 000 | -- | 16 000 | 12 000 |
| | Pattern II | | | | | |
| | U _R (V) | dV/dt(V/μs) | | | | |
| | | P=15.0 | | | | |
| | 630/800 | 11 000 | | | | |
| 1 000/1 250 | 28 000 | | | | | |
| 1 600 | 32 000 | | | | | |
| 2 000 | 35 000 | | | | | |
| 2 500 | 40 000 | | | | | |

产品编码说明 Part number system

■ 18位产品代码如下:

The 18 digits part number is formed as follow:

CBB81

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 |
| C | 1 | 4 | | | | | | | | | | | | | | | |

| | | | |
|---------|---|----------------|---|
| 第1~3位 | 型号代码 C14= CBB81 | Digit 1 to 3 | Series code C14= CBB81 |
| 第4~5位 | 直流额定电压 2J=630V 2K=800V 3A=1000V 3L=1200V 3B=1250V 3C=1600V 3D=2000V 3E=2500V | Digit 4 to 5 | DC rated voltage 2J=630V 2K=800V 3A=1000V 3L=1200V 3B=1250V 3C=1600V 3D=2000V 3E=2500V |
| 第6~8位 | 标称容量 举例: 103=10 × 10 ³ pF=0.01μF | Digit 6 to 8 | Rated capacitance value For example: 103=10 × 10 ³ pF=0.01μF |
| 第9位 | 容量偏差 J= ± 5%, K= ± 10%, M= ± 20% | Digit 9 | Capacitance tolerance H= ± 3%, J= ± 5%, K= ± 10% |
| 第10位 | 引线脚距 P 6=15.0mm 8=19.0mm 9=22.0mm A=25.0mm B=27.0mm | Digit 10 | Pitch 6=15.0mm 8=19.0mm 9=22.0mm A=25.0mm B=27.0mm |
| 第11位 | 内部特征码 S=CBB81 II 型 | Digit 11 | Internal use S=CBB81 Pattern II |
| 第12~15位 | 引线加工和包装代码 | Digit 12 to 15 | Lead form and packaging code |
| 第16~18位 | 内部特征码 | Digit 16 to 18 | Internal use |

■ Table1 引线加工和包装代码 Lead form and packaging code

| 第12位 Digit 12 | | 第13位 Digit 13 | | 第14位 Digit 14 | | 第15位 Digit 15 | |
|---------------|--|------------------|---|---------------|------------------------------|---------------|---|
| 代码 Code | 说明 explanation | 代码 Code | 说明 explanation | 代码 Code | 说明 explanation | 代码 Code | 说明 explanation |
| A | 弹带包装 ammo-pack | 6 | F=15.0mm | 1 | 表示弯脚 kinked | E | P3=25.4mm,H=20.0mm (For pitch=15.0mm) (Detail parameter refer to pag 18) |
| F | 引线成型 lead kinked | 6 7 8 9 | F=15.0mm F=17.5mm F=20.0mm F=22.5mm | 0 | B=4.5mm (the length of B) | 0 | B的长度偏差 ± 0.5mm B Length tolerance ± 0.5mm |
| Y | 直脚 straight lead “Y” in the figure above | 代码 Code 45 | 说明 explanation 引线长度 4.5mm lead length 4.5mm | | | 0 | 引线长度偏差 ± 0.5mm Length tolerance ± 0.5mm |

第12-15位代码为“C000”表示标准的引线长度(20mm~30mm)
Digit12-15 code “C000” means standard lead length (20mm~30mm)



■ 外形尺寸 Dimensions(mm)
Pattern II (Reduced sizes)

| 630/800Vdc (400Vac)# | | | | | | |
|------------------------|----------|----------|----------|------|-----|-------------------|
| C _R (μF) | W max | H max | T max | P | d | Part number |
| 0.0010 | 18.0 | 10.1 | 5.7 | 15.0 | 0.8 | C142K102-6S****++ |
| 0.0012 | 18.0 | 10.5 | 6.0 | 15.0 | 0.8 | C142K122-6S****++ |
| 0.0015 | 18.0 | 11.0 | 6.5 | 15.0 | 0.8 | C142K152-6S****++ |
| 0.0016 | 18.0 | 11.6 | 6.4 | 15.0 | 0.8 | C142K162-6S****++ |
| 0.0018 | 18.0 | 11.9 | 6.7 | 15.0 | 0.8 | C142K182-6S****++ |
| 0.0020 | 18.0 | 12.2 | 7.0 | 15.0 | 0.8 | C142K202-6S****++ |
| 0.0022 | 18.0 | 12.5 | 7.3 | 15.0 | 0.8 | C142K222-6S****++ |
| 0.0024 | 18.0 | 12.7 | 7.5 | 15.0 | 0.8 | C142K242-6S****++ |
| 0.0027 | 18.0 | 13.1 | 7.9 | 15.0 | 0.8 | C142K272-6S****++ |
| 0.0030 | 18.0 | 13.5 | 8.3 | 15.0 | 0.8 | C142K302-6S****++ |
| 0.0033 | 18.0 | 13.8 | 8.6 | 15.0 | 0.8 | C142K332-6S****++ |
| 0.0036 | 18.0 | 11.7 | 6.5 | 15.0 | 0.8 | C142K362-6S****++ |
| 0.0039 | 18.0 | 12.0 | 6.7 | 15.0 | 0.8 | C142K392-6S****++ |
| 0.0043 | 18.0 | 12.2 | 7.0 | 15.0 | 0.8 | C142K432-6S****++ |
| 0.0047 | 18.0 | 12.5 | 7.3 | 15.0 | 0.8 | C142K472-6S****++ |
| 0.0049 | 18.0 | 11.9 | 6.7 | 15.0 | 0.8 | C142K492-6S****++ |
| 0.0051 | 18.0 | 12.0 | 6.8 | 15.0 | 0.8 | C142K512-6S****++ |
| 0.0053 | 18.0 | 12.1 | 6.9 | 15.0 | 0.8 | C142K532-6S****++ |
| 0.0056 | 18.0 | 11.5 | 6.2 | 15.0 | 0.8 | C142K562-6S****++ |
| 0.0060 | 18.0 | 11.6 | 6.4 | 15.0 | 0.8 | C142K602-6S****++ |
| 0.0062 | 18.0 | 11.7 | 6.5 | 15.0 | 0.8 | C142K622-6S****++ |
| 0.0065 | 18.0 | 11.8 | 6.6 | 15.0 | 0.8 | C142K652-6S****++ |
| 0.0068 | 18.0 | 12.0 | 6.8 | 15.0 | 0.8 | C142K682-6S****++ |
| 0.0072 | 18.0 | 12.1 | 6.9 | 15.0 | 0.8 | C142K722-6S****++ |
| 0.0075 | 18.0 | 12.2 | 7.0 | 15.0 | 0.8 | C142K752-6S****++ |
| 0.0078 | 18.0 | 12.4 | 7.1 | 15.0 | 0.8 | C142K782-6S****++ |
| 0.0082 | 18.0 | 12.5 | 7.3 | 15.0 | 0.8 | C142K822-6S****++ |
| 0.0084 | 18.0 | 12.6 | 7.4 | 15.0 | 0.8 | C142K842-6S****++ |
| 0.0091 | 18.0 | 12.8 | 7.6 | 15.0 | 0.8 | C142K912-6S****++ |
| 0.010 | 18.0 | 13.2 | 8.0 | 15.0 | 0.8 | C142K103-6S****++ |
| 0.012 | 18.0 | 11.4 | 6.2 | 15.0 | 0.8 | C142K123-6S****++ |
| 0.015 | 18.0 | 12.0 | 6.8 | 15.0 | 0.8 | C142K153-6S****++ |
| 0.018 | 18.0 | 12.6 | 7.4 | 15.0 | 0.8 | C142K183-6S****++ |
| 0.022 | 18.0 | 13.8 | 8.1 | 15.0 | 0.8 | C142K223-6S****++ |
| 0.024 | 18.0 | 14.1 | 8.4 | 15.0 | 0.8 | C142K243-6S****++ |
| 0.027 | 18.0 | 14.6 | 8.9 | 15.0 | 0.8 | C142K273-6S****++ |
| 0.033 | 18.0 | 16.4 | 9.1 | 15.0 | 0.8 | C142K333-6S****++ |
| 0.036 | 18.0 | 16.8 | 9.5 | 15.0 | 0.8 | C142K363-6S****++ |

| 1 000/1 250Vdc (450Vac)# | | | | | | |
|--------------------------|----------|----------|----------|------|-----|-------------------|
| C _R (μF) | W max | H max | T max | P | d | Part number |
| 0.0010 | 18.0 | 10.1 | 5.7 | 15.0 | 0.8 | C143A102-6S****++ |
| 0.0012 | 18.0 | 10.5 | 6.0 | 15.0 | 0.8 | C143A122-6S****++ |
| 0.0015 | 18.0 | 11.0 | 6.5 | 15.0 | 0.8 | C143A152-6S****++ |
| 0.0016 | 18.0 | 11.6 | 6.4 | 15.0 | 0.8 | C143A162-6S****++ |
| 0.0018 | 18.0 | 11.9 | 6.7 | 15.0 | 0.8 | C143A182-6S****++ |
| 0.0020 | 18.0 | 12.2 | 7.0 | 15.0 | 0.8 | C143A202-6S****++ |
| 0.0022 | 18.0 | 12.5 | 7.3 | 15.0 | 0.8 | C143A222-6S****++ |
| 0.0024 | 18.0 | 12.7 | 7.5 | 15.0 | 0.8 | C143A242-6S****++ |
| 0.0027 | 18.0 | 13.6 | 7.9 | 15.0 | 0.8 | C143A272-6S****++ |
| 0.0030 | 18.0 | 14.0 | 8.3 | 15.0 | 0.8 | C143A302-6S****++ |
| 0.0033 | 18.0 | 14.3 | 8.6 | 15.0 | 0.8 | C143A332-6S****++ |
| 0.0036 | 18.0 | 11.7 | 6.5 | 15.0 | 0.8 | C143A362-6S****++ |
| 0.0039 | 18.0 | 12.0 | 6.7 | 15.0 | 0.8 | C143A392-6S****++ |
| 0.0043 | 18.0 | 12.2 | 7.0 | 15.0 | 0.8 | C143A432-6S****++ |
| 0.0047 | 18.0 | 12.5 | 7.3 | 15.0 | 0.8 | C143A472-6S****++ |
| 0.0049 | 18.0 | 12.6 | 7.4 | 15.0 | 0.8 | C143A492-6S****++ |
| 0.0051 | 18.0 | 12.8 | 7.5 | 15.0 | 0.8 | C143A512-6S****++ |
| 0.0053 | 18.0 | 12.9 | 7.7 | 15.0 | 0.8 | C143A532-6S****++ |
| 0.0056 | 18.0 | 12.1 | 6.9 | 15.0 | 0.8 | C143A562-6S****++ |
| 0.0060 | 18.0 | 12.3 | 7.1 | 15.0 | 0.8 | C143A602-6S****++ |
| 0.0062 | 18.0 | 12.4 | 7.2 | 15.0 | 0.8 | C143A622-6S****++ |
| 0.0065 | 18.0 | 12.6 | 7.4 | 15.0 | 0.8 | C143A652-6S****++ |
| 0.0068 | 18.0 | 12.7 | 7.5 | 15.0 | 0.8 | C143A682-6S****++ |
| 0.0072 | 18.0 | 12.9 | 7.7 | 15.0 | 0.8 | C143A722-6S****++ |
| 0.0075 | 18.0 | 13.5 | 7.8 | 15.0 | 0.8 | C143A752-6S****++ |
| 0.0078 | 18.0 | 13.7 | 8.0 | 15.0 | 0.8 | C143A782-6S****++ |
| 0.0082 | 18.0 | 13.9 | 8.1 | 15.0 | 0.8 | C143A822-6S****++ |
| 0.0084 | 18.0 | 13.9 | 8.2 | 15.0 | 0.8 | C143A842-6S****++ |
| 0.0091 | 18.0 | 14.2 | 9.0 | 15.0 | 0.8 | C143A912-6S****++ |
| 0.010 | 18.0 | 14.6 | 9.4 | 15.0 | 0.8 | C143A103-6S****++ |
| 0.012 | 18.0 | 15.4 | 10.2 | 15.0 | 0.8 | C143A123-6S****++ |
| 0.015 | 18.0 | 14.9 | 9.7 | 15.0 | 0.8 | C143A153-6S****++ |
| 0.018 | 18.0 | 15.7 | 10.5 | 15.0 | 0.8 | C143A183-6S****++ |
| 0.022 | 18.0 | 16.7 | 11.5 | 15.0 | 0.8 | C143A223-6S****++ |

备注: 1. “-”表示容量偏差。“-”=capacitance tolerance code, M=±20%,K=±10%,J=±5%
 2. “****”表示引线加工和包装代码(见table 1)。“****”=lead form and packing code(refer to table 1)
 3. “#”当额定电压为630Vdc时,第4~5位是2J。“#”when the rated voltage is 630Vdc,the digit 4~5 is 2J.
 “#”当额定电压为1250Vdc时,第4~5位是3B。“#”when the rated voltage is 1250Vdc,the digit 4~5 is 3B.

■ 外形尺寸 Dimensions(mm)
Pattern II (Reduced sizes)

| 1 600Vdc (450Vac) | | | | | | |
|------------------------|----------|----------|----------|------|-----|--------------------|
| C _R (μF) | W max | H max | T max | P | d | Part number |
| 0.0010 | 18.0 | 10.4 | 6.0 | 15.0 | 0.8 | C143C102-6S****+++ |
| 0.0012 | 18.0 | 10.8 | 6.4 | 15.0 | 0.8 | C143C122-6S****+++ |
| 0.0015 | 18.0 | 11.3 | 6.9 | 15.0 | 0.8 | C143C152-6S****+++ |
| 0.0016 | 18.0 | 12.0 | 6.8 | 15.0 | 0.8 | C143C162-6S****+++ |
| 0.0018 | 18.0 | 12.3 | 7.1 | 15.0 | 0.8 | C143C182-6S****+++ |
| 0.0020 | 18.0 | 12.7 | 7.4 | 15.0 | 0.8 | C143C202-6S****+++ |
| 0.0022 | 18.0 | 12.9 | 7.7 | 15.0 | 0.8 | C143C222-6S****+++ |
| 0.0024 | 18.0 | 13.7 | 8.0 | 15.0 | 0.8 | C143C242-6S****+++ |
| 0.0027 | 18.0 | 11.4 | 6.2 | 15.0 | 0.8 | C143C272-6S****+++ |
| 0.0030 | 18.0 | 11.7 | 6.5 | 15.0 | 0.8 | C143C302-6S****+++ |
| 0.0033 | 18.0 | 11.9 | 6.7 | 15.0 | 0.8 | C143C332-6S****+++ |
| 0.0036 | 18.0 | 11.4 | 6.2 | 15.0 | 0.8 | C143C362-6S****+++ |
| 0.0039 | 18.0 | 11.6 | 6.4 | 15.0 | 0.8 | C143C392-6S****+++ |
| 0.0043 | 18.0 | 11.8 | 6.6 | 15.0 | 0.8 | C143C432-6S****+++ |
| 0.0047 | 18.0 | 12.1 | 6.9 | 15.0 | 0.8 | C143C472-6S****+++ |
| 0.0049 | 18.0 | 12.2 | 7.0 | 15.0 | 0.8 | C143C492-6S****+++ |
| 0.0051 | 18.0 | 12.3 | 7.1 | 15.0 | 0.8 | C143C512-6S****+++ |
| 0.0053 | 18.0 | 12.4 | 7.2 | 15.0 | 0.8 | C143C532-6S****+++ |
| 0.0056 | 18.0 | 12.6 | 7.4 | 15.0 | 0.8 | C143C562-6S****+++ |
| 0.0060 | 18.0 | 12.8 | 7.6 | 15.0 | 0.8 | C143C602-6S****+++ |
| 0.0062 | 18.0 | 12.9 | 7.7 | 15.0 | 0.8 | C143C622-6S****+++ |
| 0.0065 | 18.0 | 13.6 | 7.9 | 15.0 | 0.8 | C143C652-6S****+++ |
| 0.0068 | 18.0 | 13.7 | 8.0 | 15.0 | 0.8 | C143C682-6S****+++ |
| 0.0072 | 18.0 | 13.9 | 8.2 | 15.0 | 0.8 | C143C722-6S****+++ |
| 0.0075 | 18.0 | 14.1 | 8.4 | 15.0 | 0.8 | C143C752-6S****+++ |
| 0.0078 | 18.0 | 14.2 | 9.0 | 15.0 | 0.8 | C143C782-6S****+++ |
| 0.0082 | 18.0 | 14.4 | 9.2 | 15.0 | 0.8 | C143C822-6S****+++ |
| 0.0084 | 18.0 | 14.5 | 9.3 | 15.0 | 0.8 | C143C842-6S****+++ |
| 0.0091 | 18.0 | 14.9 | 9.6 | 15.0 | 0.8 | C143C912-6S****+++ |
| 0.010 | 18.0 | 15.3 | 10.0 | 15.0 | 0.8 | C143C103-6S****+++ |
| 0.012 | 18.0 | 16.1 | 10.9 | 15.0 | 0.8 | C143C123-6S****+++ |

| 2 000Vdc (500Vac) | | | | | | |
|------------------------|----------|----------|----------|------|-----|--------------------|
| C _R (μF) | W max | H max | T max | P | d | Part number |
| 0.0010 | 18.0 | 10.4 | 6.0 | 15.0 | 0.8 | C143D102-6S****+++ |
| 0.0012 | 18.0 | 10.8 | 6.4 | 15.0 | 0.8 | C143D122-6S****+++ |
| 0.0015 | 18.0 | 11.3 | 6.9 | 15.0 | 0.8 | C143D152-6S****+++ |
| 0.0016 | 18.0 | 12.0 | 6.8 | 15.0 | 0.8 | C143D162-6S****+++ |
| 0.0018 | 18.0 | 12.3 | 7.1 | 15.0 | 0.8 | C143D182-6S****+++ |
| 0.0020 | 18.0 | 12.7 | 7.4 | 15.0 | 0.8 | C143D202-6S****+++ |
| 0.0022 | 18.0 | 12.9 | 7.7 | 15.0 | 0.8 | C143D222-6S****+++ |
| 0.0024 | 18.0 | 11.8 | 6.6 | 15.0 | 0.8 | C143D242-6S****+++ |
| 0.0027 | 18.0 | 12.1 | 6.9 | 15.0 | 0.8 | C143D272-6S****+++ |
| 0.0030 | 18.0 | 12.4 | 7.2 | 15.0 | 0.8 | C143D302-6S****+++ |
| 0.0033 | 18.0 | 12.7 | 7.5 | 15.0 | 0.8 | C143D332-6S****+++ |
| 0.0036 | 18.0 | 12.2 | 7.0 | 15.0 | 0.8 | C143D362-6S****+++ |
| 0.0039 | 18.0 | 12.4 | 7.2 | 15.0 | 0.8 | C143D392-6S****+++ |
| 0.0043 | 18.0 | 12.7 | 7.5 | 15.0 | 0.8 | C143D432-6S****+++ |
| 0.0047 | 18.0 | 13.5 | 7.8 | 15.0 | 0.8 | C143D472-6S****+++ |
| 0.0049 | 18.0 | 13.7 | 8.0 | 15.0 | 0.8 | C143D492-6S****+++ |
| 0.0051 | 18.0 | 13.8 | 8.1 | 15.0 | 0.8 | C143D512-6S****+++ |
| 0.0053 | 18.0 | 13.9 | 8.2 | 15.0 | 0.8 | C143D532-6S****+++ |
| 0.0056 | 18.0 | 14.2 | 8.4 | 15.0 | 0.8 | C143D562-6S****+++ |
| 0.0060 | 18.0 | 14.4 | 9.2 | 15.0 | 0.8 | C143D602-6S****+++ |
| 0.0062 | 18.0 | 14.5 | 9.3 | 15.0 | 0.8 | C143D622-6S****+++ |
| 0.0065 | 18.0 | 14.7 | 9.5 | 15.0 | 0.8 | C143D652-6S****+++ |
| 0.0068 | 18.0 | 14.9 | 9.7 | 15.0 | 0.8 | C143D682-6S****+++ |
| 0.0072 | 18.0 | 15.2 | 9.9 | 15.0 | 0.8 | C143D722-6S****+++ |
| 0.0075 | 18.0 | 15.3 | 10.1 | 15.0 | 0.8 | C143D752-6S****+++ |
| 0.0078 | 18.0 | 15.5 | 10.3 | 15.0 | 0.8 | C143D782-6S****+++ |
| 0.0082 | 18.0 | 15.7 | 10.5 | 15.0 | 0.8 | C143D822-6S****+++ |
| 0.0084 | 18.0 | 15.8 | 10.6 | 15.0 | 0.8 | C143D842-6S****+++ |
| 0.0091 | 18.0 | 16.2 | 11.0 | 15.0 | 0.8 | C143D912-6S****+++ |
| 0.010 | 18.0 | 16.7 | 11.5 | 15.0 | 0.8 | C143D103-6S****+++ |

| 2 500Vdc(500Vac) | | | | | | |
|------------------------|----------|----------|----------|------|-----|--------------------|
| C _R (μF) | W max | H max | T max | P | d | Part number |
| 0.0010 | 18.0 | 10.4 | 6.0 | 15.0 | 0.8 | C143E102-6S****+++ |
| 0.0012 | 18.0 | 10.8 | 6.4 | 15.0 | 0.8 | C143E122-6S****+++ |
| 0.0015 | 18.0 | 11.3 | 6.9 | 15.0 | 0.8 | C143E152-6S****+++ |
| 0.0016 | 18.0 | 12.0 | 6.8 | 15.0 | 0.8 | C143E162-6S****+++ |
| 0.0018 | 18.0 | 12.3 | 7.1 | 15.0 | 0.8 | C143E182-6S****+++ |
| 0.0020 | 18.0 | 12.7 | 7.4 | 15.0 | 0.8 | C143E202-6S****+++ |
| 0.0022 | 18.0 | 12.9 | 7.7 | 15.0 | 0.8 | C143E222-6S****+++ |
| 0.0024 | 18.0 | 11.8 | 6.6 | 15.0 | 0.8 | C143E242-6S****+++ |
| 0.0027 | 18.0 | 12.1 | 6.9 | 15.0 | 0.8 | C143E272-6S****+++ |
| 0.0030 | 18.0 | 12.4 | 7.2 | 15.0 | 0.8 | C143E302-6S****+++ |
| 0.0033 | 18.0 | 12.7 | 7.5 | 15.0 | 0.8 | C143E332-6S****+++ |
| 0.0036 | 18.0 | 13.5 | 7.8 | 15.0 | 0.8 | C143E362-6S****+++ |
| 0.0039 | 18.0 | 13.8 | 8.1 | 15.0 | 0.8 | C143E392-6S****+++ |

| 2 500Vdc(500Vac) | | | | | | |
|------------------------|----------|----------|----------|------|-----|--------------------|
| C _R (μF) | W max | H max | T max | P | d | Part number |
| 0.0043 | 18.0 | 14.1 | 8.4 | 15.0 | 0.8 | C143E432-6S****+++ |
| 0.0047 | 18.0 | 14.5 | 9.3 | 15.0 | 0.8 | C143E472-6S****+++ |
| 0.0049 | 18.0 | 14.6 | 9.4 | 15.0 | 0.8 | C143E492-6S****+++ |
| 0.0051 | 18.0 | 14.8 | 9.6 | 15.0 | 0.8 | C143E512-6S****+++ |
| 0.0053 | 18.0 | 15.0 | 9.7 | 15.0 | 0.8 | C143E532-6S****+++ |
| 0.0056 | 18.0 | 15.2 | 10.0 | 15.0 | 0.8 | C143E562-6S****+++ |
| 0.0060 | 18.0 | 15.5 | 10.3 | 15.0 | 0.8 | C143E602-6S****+++ |
| 0.0062 | 18.0 | 15.6 | 10.4 | 15.0 | 0.8 | C143E622-6S****+++ |
| 0.0065 | 18.0 | 15.9 | 10.6 | 15.0 | 0.8 | C143E652-6S****+++ |
| 0.0068 | 18.0 | 16.1 | 10.9 | 15.0 | 0.8 | C143E682-6S****+++ |
| 0.0072 | 18.0 | 16.3 | 11.1 | 15.0 | 0.8 | C143E722-6S****+++ |
| 0.0075 | 18.0 | 16.5 | 11.3 | 15.0 | 0.8 | C143E752-6S****+++ |
| 0.0078 | 18.0 | 16.7 | 11.5 | 15.0 | 0.8 | C143E782-6S****+++ |

备注: 1. “-”表示容量偏差。“-”=capacitance tolerance code, M=±20%,K=±10%,J=±5%
2. “****”表示引线加工和包装代码(见table 1)。“****”=lead form and packing code(refer to table 1)



■ 外形尺寸 Dimensions(mm)

| 800Vdc | | | | | | |
|------------------------|----------|----------|----------|------|-----|--------------------|
| C _R (μF) | W max | H max | T max | P | d | Part number |
| 0.0010 | 18.5 | 12.0 | 7.0 | 15.0 | 0.8 | C142K102-60****+++ |
| 0.0012 | 18.5 | 12.5 | 7.0 | 15.0 | 0.8 | C142K122-60****+++ |
| 0.0015 | 18.5 | 13.0 | 7.5 | 15.0 | 0.8 | C142K152-60****+++ |
| 0.0016 | 18.5 | 13.0 | 8.0 | 15.0 | 0.8 | C142K162-60****+++ |
| 0.0018 | 18.5 | 13.5 | 8.0 | 15.0 | 0.8 | C142K182-60****+++ |
| 0.0020 | 18.5 | 13.5 | 8.5 | 15.0 | 0.8 | C142K202-60****+++ |
| 0.0022 | 18.5 | 14.0 | 9.0 | 15.0 | 0.8 | C142K222-60****+++ |
| 0.0024 | 18.5 | 14.5 | 9.0 | 15.0 | 0.8 | C142K242-60****+++ |
| 0.0027 | 18.5 | 14.5 | 9.5 | 15.0 | 0.8 | C142K272-60****+++ |
| 0.0030 | 18.5 | 15.0 | 10.0 | 15.0 | 0.8 | C142K302-60****+++ |
| 0.0033 | 18.5 | 15.5 | 10.0 | 15.0 | 0.8 | C142K332-60****+++ |
| 0.0036 | 18.5 | 13.0 | 8.0 | 15.0 | 0.8 | C142K362-60****+++ |
| 0.0039 | 18.5 | 13.5 | 8.5 | 15.0 | 0.8 | C142K392-60****+++ |
| 0.0043 | 18.5 | 14.0 | 8.5 | 15.0 | 0.8 | C142K432-60****+++ |
| 0.0047 | 18.5 | 14.0 | 9.0 | 15.0 | 0.8 | C142K472-60****+++ |
| 0.0049 | 18.5 | 14.0 | 9.0 | 15.0 | 0.8 | C142K492-60****+++ |
| 0.0051 | 18.5 | 14.5 | 9.0 | 15.0 | 0.8 | C142K512-60****+++ |
| 0.0053 | 18.5 | 14.5 | 9.5 | 15.0 | 0.8 | C142K532-60****+++ |
| 0.0056 | 18.5 | 14.5 | 9.5 | 15.0 | 0.8 | C142K562-60****+++ |
| 0.0060 | 18.5 | 15.0 | 10.0 | 15.0 | 0.8 | C142K602-60****+++ |
| 0.0062 | 18.5 | 15.0 | 10.0 | 15.0 | 0.8 | C142K622-60****+++ |
| 0.0065 | 18.5 | 15.5 | 10.0 | 15.0 | 0.8 | C142K652-60****+++ |
| 0.0068 | 18.5 | 15.5 | 10.5 | 15.0 | 0.8 | C142K682-60****+++ |
| 0.0072 | 18.5 | 15.5 | 10.5 | 15.0 | 0.8 | C142K722-60****+++ |
| 0.0075 | 18.5 | 16.0 | 10.5 | 15.0 | 0.8 | C142K752-60****+++ |
| 0.0078 | 18.5 | 16.0 | 11.0 | 15.0 | 0.8 | C142K782-60****+++ |
| 0.0082 | 18.5 | 16.5 | 11.0 | 15.0 | 0.8 | C142K822-60****+++ |
| 0.0084 | 18.5 | 16.5 | 11.0 | 15.0 | 0.8 | C142K842-60****+++ |
| 0.0091 | 18.5 | 17.0 | 11.5 | 15.0 | 0.8 | C142K912-60****+++ |
| 0.010 | 18.5 | 17.5 | 12.0 | 15.0 | 0.8 | C142K103-60****+++ |
| 0.012 | 18.5 | 13.0 | 8.0 | 15.0 | 0.8 | C142K123-60****+++ |
| 0.015 | 18.5 | 14.0 | 8.5 | 15.0 | 0.8 | C142K153-60****+++ |
| 0.018 | 18.5 | 14.5 | 9.5 | 15.0 | 0.8 | C142K183-60****+++ |
| 0.022 | 18.5 | 15.5 | 10.0 | 15.0 | 0.8 | C142K223-60****+++ |
| 0.024 | 18.5 | 15.5 | 10.5 | 15.0 | 0.8 | C142K243-60****+++ |
| 0.027 | 18.5 | 16.0 | 11.0 | 15.0 | 0.8 | C142K273-60****+++ |
| 0.033 | 23.0 | 16.0 | 9.5 | 19.0 | 0.8 | C142K333-80****+++ |
| 0.036 | 23.0 | 16.5 | 9.5 | 19.0 | 0.8 | C142K363-80****+++ |
| 0.039 | 23.0 | 16.5 | 10.0 | 19.0 | 0.8 | C142K393-80****+++ |
| 0.047 | 23.0 | 17.5 | 11.0 | 19.0 | 0.8 | C142K473-80****+++ |
| 0.056 | 23.0 | 18.5 | 11.5 | 19.0 | 0.8 | C142K563-80****+++ |
| 0.068 | 26.0 | 19.0 | 11.0 | 22.0 | 0.8 | C142K683-90****+++ |
| 0.082 | 26.0 | 20.0 | 12.0 | 22.0 | 0.8 | C142K823-90****+++ |
| 0.10 | 26.0 | 21.5 | 13.0 | 22.0 | 0.8 | C142K104-90****+++ |

| 1 000/1 200Vdc# | | | | | | |
|------------------------|----------|----------|----------|------|-----|--------------------|
| C _R (μF) | W max | H max | T max | P | d | Part number |
| 0.0010 | 18.5 | 12.0 | 7.0 | 15.0 | 0.8 | C143A102-60****+++ |
| 0.0012 | 18.5 | 12.5 | 7.0 | 15.0 | 0.8 | C143A122-60****+++ |
| 0.0015 | 18.5 | 13.0 | 7.5 | 15.0 | 0.8 | C143A152-60****+++ |
| 0.0016 | 18.5 | 13.0 | 8.0 | 15.0 | 0.8 | C143A162-60****+++ |
| 0.0018 | 18.5 | 13.5 | 8.0 | 15.0 | 0.8 | C143A182-60****+++ |
| 0.0020 | 18.5 | 13.5 | 8.5 | 15.0 | 0.8 | C143A202-60****+++ |
| 0.0022 | 18.5 | 14.0 | 9.0 | 15.0 | 0.8 | C143A222-60****+++ |
| 0.0024 | 18.5 | 14.5 | 9.0 | 15.0 | 0.8 | C143A242-60****+++ |
| 0.0027 | 18.5 | 14.5 | 9.5 | 15.0 | 0.8 | C143A272-60****+++ |
| 0.0030 | 18.5 | 15.0 | 10.0 | 15.0 | 0.8 | C143A302-60****+++ |
| 0.0033 | 18.5 | 15.5 | 10.0 | 15.0 | 0.8 | C143A332-60****+++ |
| 0.0036 | 18.5 | 13.0 | 8.0 | 15.0 | 0.8 | C143A362-60****+++ |
| 0.0039 | 18.5 | 13.5 | 8.5 | 15.0 | 0.8 | C143A392-60****+++ |
| 0.0043 | 18.5 | 14.0 | 8.5 | 15.0 | 0.8 | C143A432-60****+++ |
| 0.0047 | 18.5 | 14.0 | 9.0 | 15.0 | 0.8 | C143A472-60****+++ |
| 0.0049 | 18.5 | 14.0 | 9.0 | 15.0 | 0.8 | C143A492-60****+++ |
| 0.0051 | 18.5 | 14.5 | 9.0 | 15.0 | 0.8 | C143A512-60****+++ |
| 0.0053 | 18.5 | 14.5 | 9.5 | 15.0 | 0.8 | C143A532-60****+++ |
| 0.0056 | 18.5 | 14.5 | 9.5 | 15.0 | 0.8 | C143A562-60****+++ |
| 0.0060 | 23.0 | 14.5 | 7.5 | 19.0 | 0.8 | C143A602-80****+++ |
| 0.0062 | 23.0 | 14.5 | 7.5 | 19.0 | 0.8 | C143A622-80****+++ |
| 0.0065 | 23.0 | 14.5 | 8.0 | 19.0 | 0.8 | C143A652-80****+++ |
| 0.0068 | 23.0 | 14.5 | 8.0 | 19.0 | 0.8 | C143A682-80****+++ |
| 0.0072 | 23.0 | 15.0 | 8.0 | 19.0 | 0.8 | C143A722-80****+++ |
| 0.0075 | 23.0 | 15.0 | 8.0 | 19.0 | 0.8 | C143A752-80****+++ |
| 0.0078 | 23.0 | 15.0 | 8.5 | 19.0 | 0.8 | C143A782-80****+++ |
| 0.0082 | 23.0 | 15.5 | 8.5 | 19.0 | 0.8 | C143A822-80****+++ |
| 0.0084 | 23.0 | 15.5 | 8.5 | 19.0 | 0.8 | C143A842-80****+++ |
| 0.0091 | 23.0 | 15.5 | 9.0 | 19.0 | 0.8 | C143A912-80****+++ |
| 0.010 | 23.0 | 16.0 | 9.0 | 19.0 | 0.8 | C143A103-80****+++ |
| 0.012 | 23.0 | 16.5 | 10.0 | 19.0 | 0.8 | C143A123-80****+++ |
| 0.015 | 29.0 | 15.5 | 9.0 | 25.0 | 0.8 | C143A153-A0****+++ |
| 0.018 | 29.0 | 16.5 | 9.5 | 25.0 | 0.8 | C143A183-A0****+++ |
| 0.022 | 29.0 | 18.5 | 10.0 | 25.0 | 0.8 | C143A223-A0****+++ |
| 0.024 | 29.0 | 18.5 | 10.5 | 25.0 | 0.8 | C143A243-A0****+++ |
| 0.027 | 29.0 | 19.0 | 11.0 | 25.0 | 0.8 | C143A273-A0****+++ |
| 0.033 | 29.0 | 20.5 | 12.0 | 25.0 | 0.8 | C143A333-A0****+++ |
| 0.036 | 29.0 | 20.5 | 12.5 | 25.0 | 0.8 | C143A363-A0****+++ |

备注: 1. “-”表示容量偏差。“-”=capacitance tolerance code, M= ± 20%,K= ± 10%,J= ± 5%
 2. “****”表示引线加工和包装代码(见table 1)。“****”=lead form and packing code(refer to table 1)
 3. “#”当额定电压为1200Vdc时,第4~5位是3L。“#” when the rated voltage is 1200Vdc,the digit 4~5 is 3L.

■ 外形尺寸 Dimensions(mm)

| 1 600/2 000Vdc# | | | | | | |
|------------------------|----------|----------|----------|------|-----|--------------------|
| C _R (μF) | W max | H max | T max | P | d | Part number |
| 0.0010 | 18.5 | 12.0 | 7.0 | 15.0 | 0.8 | C143C102-60****+++ |
| 0.0012 | 18.5 | 12.5 | 7.0 | 15.0 | 0.8 | C143C122-60****+++ |
| 0.0015 | 18.5 | 13.0 | 7.5 | 15.0 | 0.8 | C143C152-60****+++ |
| 0.0016 | 18.5 | 13.0 | 8.0 | 15.0 | 0.8 | C143C162-60****+++ |
| 0.0018 | 18.5 | 13.5 | 8.0 | 15.0 | 0.8 | C143C182-60****+++ |
| 0.0020 | 18.5 | 13.5 | 8.5 | 15.0 | 0.8 | C143C202-60****+++ |
| 0.0022 | 18.5 | 14.0 | 9.0 | 15.0 | 0.8 | C143C222-60****+++ |
| 0.0024 | 18.5 | 14.5 | 9.0 | 15.0 | 0.8 | C143C242-60****+++ |
| 0.0027 | 18.5 | 14.5 | 9.5 | 15.0 | 0.8 | C143C272-60****+++ |
| 0.0030 | 18.5 | 15.0 | 10.0 | 15.0 | 0.8 | C143C302-60****+++ |
| 0.0033 | 18.5 | 15.5 | 10.0 | 15.0 | 0.8 | C143C332-60****+++ |
| 0.0036 | 23.0 | 14.5 | 9.0 | 19.0 | 0.8 | C143C362-80****+++ |
| 0.0039 | 23.0 | 15.5 | 9.0 | 19.0 | 0.8 | C143C392-80****+++ |
| 0.0043 | 23.0 | 16.0 | 9.0 | 19.0 | 0.8 | C143C432-80****+++ |
| 0.0047 | 23.0 | 16.0 | 9.5 | 19.0 | 0.8 | C143C472-80****+++ |
| 0.0049 | 23.0 | 16.5 | 9.5 | 19.0 | 0.8 | C143C492-80****+++ |
| 0.0051 | 23.0 | 16.5 | 10.0 | 19.0 | 0.8 | C143C512-80****+++ |
| 0.0053 | 23.0 | 16.5 | 10.0 | 19.0 | 0.8 | C143C532-80****+++ |
| 0.0056 | 23.0 | 17.0 | 10.0 | 19.0 | 0.8 | C143C562-80****+++ |
| 0.0060 | 23.0 | 15.5 | 8.5 | 19.0 | 0.8 | C143C602-80****+++ |
| 0.0062 | 23.0 | 15.5 | 9.0 | 19.0 | 0.8 | C143C622-80****+++ |
| 0.0065 | 23.0 | 15.5 | 9.0 | 19.0 | 0.8 | C143C652-80****+++ |
| 0.0068 | 23.0 | 16.0 | 9.0 | 19.0 | 0.8 | C143C682-80****+++ |
| 0.0072 | 23.0 | 16.0 | 9.5 | 19.0 | 0.8 | C143C722-80****+++ |
| 0.0075 | 23.0 | 16.5 | 9.5 | 19.0 | 0.8 | C143C752-80****+++ |
| 0.0078 | 23.0 | 16.5 | 9.5 | 19.0 | 0.8 | C143C782-80****+++ |
| 0.0082 | 23.0 | 16.5 | 10.0 | 19.0 | 0.8 | C143C822-80****+++ |
| 0.0084 | 23.0 | 16.5 | 10.0 | 19.0 | 0.8 | C143C842-80****+++ |
| 0.0091 | 23.0 | 17.0 | 10.5 | 19.0 | 0.8 | C143C912-80****+++ |
| 0.010 | 29.0 | 15.5 | 8.5 | 25.0 | 0.8 | C143C103-A0****+++ |
| 0.012 | 29.0 | 16.0 | 9.5 | 25.0 | 0.8 | C143C123-A0****+++ |
| 0.015 | 29.0 | 18.0 | 9.5 | 25.0 | 0.8 | C143C153-A0****+++ |
| 0.018 | 29.0 | 19.0 | 10.5 | 25.0 | 0.8 | C143C183-A0****+++ |
| 0.022 | 29.0 | 20.0 | 11.5 | 25.0 | 0.8 | C143C223-A0****+++ |
| 0.024 | 29.0 | 20.5 | 12.0 | 25.0 | 0.8 | C143C243-A0****+++ |
| 0.027 | 31.0 | 20.5 | 12.0 | 27.0 | 0.8 | C143C273-B0****+++ |
| 0.033 | 31.0 | 21.5 | 13.0 | 27.0 | 0.8 | C143C333-B0****+++ |
| 0.036 | 31.0 | 22.0 | 13.5 | 27.0 | 0.8 | C143C363-B0****+++ |

- 备注: 1. “-”表示容量偏差。“-”=capacitance tolerance code, M= ± 20%,K= ± 10%,J= ± 5%
 2. “****”表示引线加工和包装代码(见table 1)。“****”=lead form and packing code(refer to table 1)
 3. “#”当额定电压为2000Vdc时,第4~5位是3D。“#” when the rated voltage is 2000Vdc,the digit 4~5 is 3D.