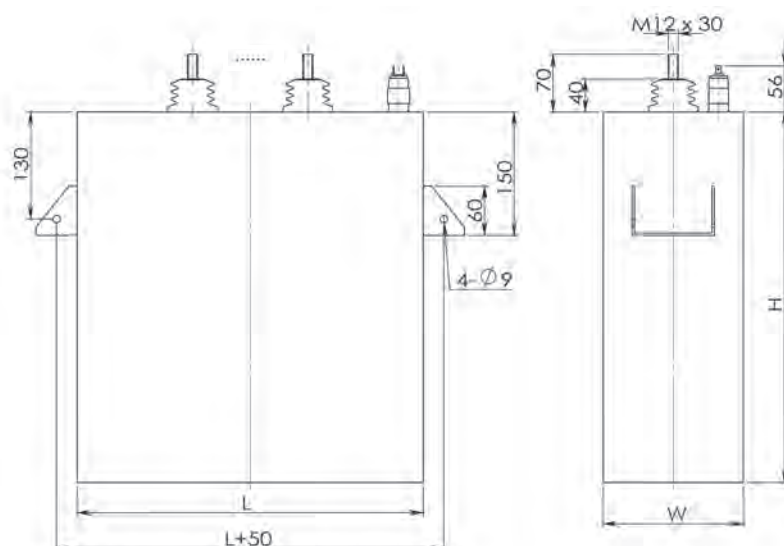


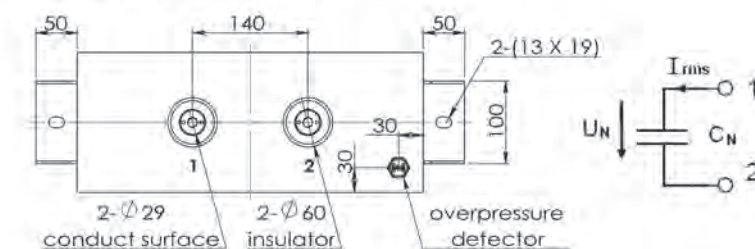
## 干式高压直流滤波电容器

## High Voltage DC-Link Capacitor ( Dry-Type )

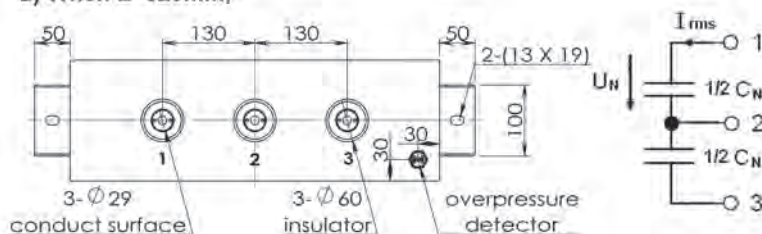
### ■ 外形图 Outline Drawing



1) When L=340mm or 420mm,



2) When L=520mm,



### ■ 特点

- 不锈钢外壳，阻燃树脂灌封
- 干式结构，不会漏液
- 有自愈性，采用安全膜设计
- 等效电阻小，自感小
- 能承受较高的纹波电流

### ■ 应用场合

- DC-Link
- 变速传动 (驱动、牵引)
- 风能变流器
- 变电站

### ■ Features

- Stainless steel case, Epoxy resin sealing
- Dry construction, No leaking fluids
- Self-healing property, Segmented metalized-film design
- Low ESL & Low ESR
- High rms current capability

### ■ Applications

- DC-Link
- Speed inverter (drives and traction)
- Wind power converter
- Substation

## ■ 技术要求 Specifications

|                                                                               |                                                                              |                                |                   |
|-------------------------------------------------------------------------------|------------------------------------------------------------------------------|--------------------------------|-------------------|
| 引用标准 Reference standards                                                      | IEC 61071, IEC 61881-1                                                       |                                |                   |
| 额定电压 Rated voltage ( $U_N$ )                                                  | 2 000Vdc ~ 6 000Vdc                                                          |                                |                   |
| 电容量范围 Capacitance range ( $C_N$ )                                             | 100 $\mu$ F ~ 6 000 $\mu$ F                                                  |                                |                   |
| 电容量偏差 Capacitance tolerance                                                   | $\pm 5\%$ (J), $\pm 10\%$ (K)                                                |                                |                   |
| 介质损耗因素 Dielectric dissipation factor( $\tan \delta_o$ )                       | 0.0002                                                                       |                                |                   |
| 运行温度范围 ( $\theta_{case}$ )<br>Operating temperature range ( $\theta_{case}$ ) | -40°C ~ 70°C                                                                 |                                |                   |
| 热点温度 Hot-spot temperature ( $\theta_{hs}$ )                                   | $\leq 70^\circ\text{C}$                                                      |                                |                   |
| 贮存温度范围 Storage temperature range                                              | -40°C ~ 70°C                                                                 |                                |                   |
| 气候类别 Climatic category                                                        | 40/70/56                                                                     |                                |                   |
| 外壳类型 Case                                                                     | Stainless steel                                                              |                                |                   |
| 耐电压 (两极之间)<br>Test voltage between terminals                                  | 1.5 $U_N$ (10s, 20°C $\pm 5^\circ\text{C}$ )                                 |                                |                   |
| 耐电压 (极壳之间)<br>Test voltage between terminals and case                         | $(\sqrt{2}U_N+1\ 000)\text{Vac}$ (10s, 50/60Hz, 20°C $\pm 5^\circ\text{C}$ ) |                                |                   |
| 绝缘电压 Insulation voltage ( $U_i$ )                                             | $U_N / \sqrt{2} \text{ Vac}$                                                 |                                |                   |
| 过电压 Over voltage                                                              | 1.1 $U_N$ (30% of on-load-dur.)                                              |                                |                   |
|                                                                               | 1.15 $U_N$ (30min/day)                                                       |                                |                   |
|                                                                               | 1.2 $U_N$ (5min/day)                                                         |                                |                   |
|                                                                               | 1.3 $U_N$ (1min/day)                                                         |                                |                   |
|                                                                               | 1.5 $U_N$ (30ms every time, 1 000times during the whole life)                |                                |                   |
| 绝缘电阻 Insulation resistance ( $IR \times C_N$ )                                | $\geq 5\ 000\text{s}$ (20°C, 100Vdc, 1min)                                   |                                |                   |
| 电极端子 Terminals                                                                | Thread hole<br>M10 $\times$ 24                                               | Thread stud<br>M12 $\times$ 30 | Others on request |
| 最大电极扭矩 Max. torque of terminals                                               | 8Nm                                                                          | 12Nm                           | —                 |
| 保护方式 Protection                                                               | Overpressure detector                                                        |                                |                   |
| 最高使用海拔 Max. altitude                                                          | 2 000m                                                                       |                                |                   |
| 预期寿命 Expected lifetime                                                        | 100 000hrs @ $U_N$ , $\theta_{hs}=70^\circ\text{C}$                          |                                |                   |
| 失效率 Failure rate                                                              | 100 FIT                                                                      |                                |                   |

## 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:

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

|       |                                                                                                                              |              |                                                                                                                                        |
|-------|------------------------------------------------------------------------------------------------------------------------------|--------------|----------------------------------------------------------------------------------------------------------------------------------------|
| 第1~3位 | 型号代码<br>C3E                                                                                                                  | Digit 1 to 3 | Series code<br>C3E                                                                                                                     |
| 第4~5位 | 直流额定电压<br>4M=1 500V, 3D=2 000V, 2N=2 200V<br>1N=2 400V, 3N=2 600V, 6P=2 800V<br>4Q=3 000V, 3G=4 000V, 3H=5 000V<br>6U=6 000V | Digit 4 to 5 | DC rated voltage<br>4M=1 500V, 3D=2 000V, 2N=2 200V<br>1N=2 400V, 3N=2 600V, 6P=2 800V<br>4Q=3 000V, 3G=4 000V, 3H=5 000V<br>6U=6 000V |
| 第6~8位 | 标称容量<br>举例: 207=20 $\times 10^7\text{pF}$ =200 $\mu\text{F}$                                                                 | Digit 6 to 8 | Rated capacitance value<br>For example: 207=10 $\times 10^7\text{pF}$ =200 $\mu\text{F}$                                               |

第9位 容量等级  
J= ± 5%, K= ± 10%  
第10~15位 产品序列号  
第16~18位 内部特征码

Digit 9 Capacitance tolerance  
J= ± 5%, K= ± 10%  
Digit 10 to 15 Sequence number  
Digit 16 to 18 Internal use

## ■ 技术参数 Technical data

| U <sub>N</sub><br>(Vdc) | C <sub>N</sub><br>(μF) | Rs(mΩ)<br>@20℃<br>1kHz | L <sub>s</sub><br>(nH) | R <sub>th</sub><br>(K/W) | Ġ<br>(A) | I <sub>rms</sub><br>(A) |     |     | Dimensions (mm) |       |       | Weight<br>(kg) | Part number        |
|-------------------------|------------------------|------------------------|------------------------|--------------------------|----------|-------------------------|-----|-----|-----------------|-------|-------|----------------|--------------------|
|                         |                        |                        |                        |                          |          | 40℃                     | 50℃ | 60℃ | L ± 3           | W ± 3 | H ± 3 |                |                    |
| 2 000                   | 1 550                  | 0.41                   | <100                   | 0.68                     | 9 800    | 220                     | 220 | 169 | 340             | 140   | 285   | 22.6           | C3E3D158-000001+++ |
|                         | 2 070                  | 0.37                   | <100                   | 0.55                     | 13 100   | 220                     | 220 | 198 | 340             | 140   | 365   | 28.1           | C3E3D208-000002+++ |
|                         | 2 590                  | 0.35                   | <100                   | 0.46                     | 16 400   | 220                     | 220 | 220 | 340             | 140   | 445   | 33.6           | C3E3D258-000003+++ |
|                         | 3 100                  | 0.33                   | <100                   | 0.40                     | 19 700   | 220                     | 220 | 220 | 340             | 140   | 525   | 39.2           | C3E3D318-000004+++ |
|                         | 3 620                  | 0.32                   | <100                   | 0.34                     | 22 900   | 220                     | 220 | 220 | 340             | 140   | 610   | 45.1           | C3E3D368-000005+++ |
|                         | 4 140                  | 0.31                   | <100                   | 0.31                     | 26 200   | 220                     | 220 | 220 | 340             | 140   | 690   | 50.6           | C3E3D418-000006+++ |
|                         | 4 660                  | 0.30                   | <100                   | 0.27                     | 29 500   | 220                     | 220 | 220 | 340             | 140   | 770   | 56.2           | C3E3D468-000007+++ |
|                         | 1 940                  | 0.38                   | <100                   | 0.56                     | 12 300   | 220                     | 220 | 195 | 420             | 140   | 285   | 27.4           | C3E3D198-000008+++ |
|                         | 2 590                  | 0.34                   | <100                   | 0.46                     | 16 400   | 220                     | 220 | 220 | 420             | 140   | 365   | 34.1           | C3E3D258-000009+++ |
|                         | 3 230                  | 0.32                   | <100                   | 0.38                     | 20 500   | 220                     | 220 | 220 | 420             | 140   | 445   | 40.9           | C3E3D328-000010+++ |
|                         | 3 880                  | 0.31                   | <100                   | 0.33                     | 24 600   | 220                     | 220 | 220 | 420             | 140   | 525   | 47.7           | C3E3D388-000011+++ |
|                         | 4 530                  | 0.30                   | <100                   | 0.29                     | 28 700   | 220                     | 220 | 220 | 420             | 140   | 610   | 55.0           | C3E3D458-000012+++ |
|                         | 5 180                  | 0.29                   | <100                   | 0.26                     | 32 800   | 220                     | 220 | 220 | 420             | 140   | 690   | 61.7           | C3E3D518-000013+++ |
|                         | 5 820                  | 0.29                   | <100                   | 0.23                     | 36 900   | 220                     | 220 | 220 | 420             | 140   | 770   | 68.5           | C3E3D588-000014+++ |
|                         | 2 × 1 640              | 0.44                   | <100                   | 0.37                     | 10 400   | 220                     | 220 | 159 | 520             | 140   | 375   | 43.3           | C3E3D328-000015+++ |
| 2 200                   | 2 × 2 050              | 0.41                   | <100                   | 0.31                     | 13 000   | 220                     | 220 | 180 | 520             | 140   | 455   | 51.6           | C3E3D418-000016+++ |
|                         | 2 × 2 460              | 0.39                   | <100                   | 0.27                     | 15 600   | 220                     | 220 | 200 | 520             | 140   | 540   | 60.5           | C3E3D498-000017+++ |
|                         | 2 × 2 870              | 0.37                   | <100                   | 0.23                     | 18 200   | 220                     | 220 | 219 | 520             | 140   | 620   | 68.7           | C3E3D578-000018+++ |
|                         | 1 250                  | 0.43                   | <100                   | 0.69                     | 8 800    | 220                     | 220 | 168 | 340             | 140   | 285   | 22.5           | C3E2N128-000051+++ |
|                         | 1 670                  | 0.38                   | <100                   | 0.56                     | 11 700   | 220                     | 220 | 198 | 340             | 140   | 365   | 28.1           | C3E2N168-000052+++ |
|                         | 2 080                  | 0.36                   | <100                   | 0.47                     | 14 700   | 220                     | 220 | 220 | 340             | 140   | 445   | 33.6           | C3E2N208-000053+++ |
|                         | 2 500                  | 0.34                   | <100                   | 0.40                     | 17 600   | 220                     | 220 | 220 | 340             | 140   | 525   | 39.1           | C3E2N258-000054+++ |
|                         | 2 920                  | 0.32                   | <100                   | 0.35                     | 20 600   | 220                     | 220 | 220 | 340             | 140   | 610   | 45.1           | C3E2N298-000055+++ |
|                         | 3 340                  | 0.31                   | <100                   | 0.31                     | 23 500   | 220                     | 220 | 220 | 340             | 140   | 690   | 50.6           | C3E2N338-000056+++ |
|                         | 3 760                  | 0.31                   | <100                   | 0.28                     | 26 500   | 220                     | 220 | 220 | 340             | 140   | 770   | 56.1           | C3E2N378-000057+++ |
|                         | 1 560                  | 0.39                   | <100                   | 0.57                     | 11 000   | 220                     | 220 | 194 | 420             | 140   | 285   | 27.3           | C3E2N158-000058+++ |
|                         | 2 080                  | 0.35                   | <100                   | 0.46                     | 14 700   | 220                     | 220 | 220 | 420             | 140   | 365   | 34.1           | C3E2N208-000059+++ |
|                         | 2 610                  | 0.33                   | <100                   | 0.39                     | 18 400   | 220                     | 220 | 220 | 420             | 140   | 445   | 40.9           | C3E2N268-000060+++ |
|                         | 3 130                  | 0.32                   | <100                   | 0.33                     | 22 100   | 220                     | 220 | 220 | 420             | 140   | 525   | 47.7           | C3E2N318-000061+++ |
|                         | 3 650                  | 0.31                   | <100                   | 0.29                     | 25 800   | 220                     | 220 | 220 | 420             | 140   | 610   | 54.9           | C3E2N368-000062+++ |
| 2 400                   | 4 170                  | 0.30                   | <100                   | 0.26                     | 29 400   | 220                     | 220 | 220 | 420             | 140   | 690   | 61.7           | C3E2N418-000063+++ |
|                         | 4 700                  | 0.29                   | <100                   | 0.23                     | 33 100   | 220                     | 220 | 220 | 420             | 140   | 770   | 68.5           | C3E2N478-000064+++ |
|                         | 2 × 1 320              | 0.46                   | <100                   | 0.37                     | 9 300    | 220                     | 220 | 156 | 520             | 140   | 375   | 43.3           | C3E2N268-000065+++ |
|                         | 2 × 1 650              | 0.42                   | <100                   | 0.31                     | 11 600   | 220                     | 220 | 177 | 520             | 140   | 455   | 51.6           | C3E2N338-000066+++ |
|                         | 2 × 1 980              | 0.40                   | <100                   | 0.27                     | 14 000   | 220                     | 220 | 198 | 520             | 140   | 540   | 60.5           | C3E2N398-000067+++ |
|                         | 2 × 2 320              | 0.38                   | <100                   | 0.23                     | 16 300   | 220                     | 220 | 216 | 520             | 140   | 620   | 68.7           | C3E2N468-000068+++ |
|                         | 1 030                  | 0.45                   | <100                   | 0.69                     | 8 000    | 220                     | 220 | 164 | 340             | 140   | 285   | 22.5           | C3E1N108-000101+++ |
|                         | 1 370                  | 0.40                   | <100                   | 0.56                     | 10 700   | 220                     | 220 | 194 | 340             | 140   | 365   | 28.1           | C3E1N138-000102+++ |
|                         | 1 720                  | 0.37                   | <100                   | 0.47                     | 13 300   | 220                     | 220 | 220 | 340             | 140   | 445   | 33.6           | C3E1N178-000103+++ |
|                         | 2 060                  | 0.35                   | <100                   | 0.41                     | 16 000   | 220                     | 220 | 220 | 340             | 140   | 525   | 39.1           | C3E1N208-000104+++ |
|                         | 2 410                  | 0.33                   | <100                   | 0.35                     | 18 700   | 220                     | 220 | 220 | 340             | 140   | 610   | 45.1           | C3E1N248-000105+++ |
|                         | 2 750                  | 0.32                   | <100                   | 0.31                     | 21 400   | 220                     | 220 | 220 | 340             | 140   | 690   | 50.6           | C3E1N278-000106+++ |
|                         | 3 100                  | 0.31                   | <100                   | 0.28                     | 24 100   | 220                     | 220 | 220 | 340             | 140   | 770   | 56.1           | C3E1N318-000107+++ |
|                         | 1 290                  | 0.40                   | <100                   | 0.58                     | 10 000   | 220                     | 220 | 190 | 420             | 140   | 285   | 27.3           | C3E1N128-000108+++ |
|                         | 1 720                  | 0.36                   | <100                   | 0.47                     | 13 300   | 220                     | 220 | 220 | 420             | 140   | 365   | 34.1           | C3E1N178-000109+++ |
|                         | 2 150                  | 0.34                   | <100                   | 0.39                     | 16 700   | 220                     | 220 | 220 | 420             | 140   | 445   | 40.9           | C3E1N218-000110+++ |
| 2 600                   | 2 580                  | 0.32                   | <100                   | 0.34                     | 20 000   | 220                     | 220 | 220 | 420             | 140   | 525   | 47.6           | C3E1N258-000111+++ |
|                         | 3 010                  | 0.31                   | <100                   | 0.29                     | 23 400   | 220                     | 220 | 220 | 420             | 140   | 610   | 54.9           | C3E1N308-000112+++ |
|                         | 3 440                  | 0.30                   | <100                   | 0.26                     | 26 700   | 220                     | 220 | 220 | 420             | 140   | 690   | 61.7           | C3E1N348-000113+++ |
|                         | 3 870                  | 0.30                   | <100                   | 0.24                     | 30 100   | 220                     | 220 | 220 | 420             | 140   | 770   | 68.4           | C3E1N388-000114+++ |
|                         | 2 × 1 090              | 0.47                   | <100                   | 0.38                     | 85 00    | 220                     | 216 | 153 | 520             | 140   | 375   | 43.2           | C3E1N218-000115+++ |
|                         | 2 × 1 360              | 0.43                   | <100                   | 0.32                     | 10 600   | 220                     | 220 | 174 | 520             | 140   | 455   | 51.5           | C3E1N278-000116+++ |
|                         | 2 × 1 630              | 0.41                   | <100                   | 0.27                     | 12 700   | 220                     | 220 | 194 | 520             | 140   | 540   | 60.4           | C3E1N328-000117+++ |
|                         | 2 × 1 910              | 0.39                   | <100                   | 0.24                     | 14 800   | 220                     | 220 | 213 | 520             | 140   | 620   | 68.7           | C3E1N388-000118+++ |
|                         | 1 100                  | 0.48                   | <100                   | 0.69                     | 7 300    | 220                     | 220 | 158 | 340             | 170   | 285   | 26.3           | C3E3N118-000151+++ |
|                         | 1 470                  | 0.43                   | <100                   | 0.56                     | 9 800    | 220                     | 220 | 186 | 340             | 170   | 365   | 32.7           | C3E3N148-000152+++ |
| 2 600                   | 1 830                  | 0.39                   | <100                   | 0.48                     | 12 200   | 220                     | 220 | 212 | 340             | 170   | 445   | 39.2           | C3E3N188-000153+++ |
|                         | 2 200                  | 0.37                   | <100                   | 0.41                     | 14 700   | 220                     | 220 | 220 | 340             | 170   | 525   | 45.6           | C3E3N228-000154+++ |

# ■ 技术参数 Technical data

| U <sub>N</sub><br>(Vdc) | C <sub>N</sub><br>(μF) | R <sub>s</sub> (mΩ)<br>@20℃<br>1kHz | L <sub>s</sub><br>(nH) | R <sub>th</sub><br>(K/W) | Î<br>(A) | I <sub>rms</sub><br>(A) |     |     | Dimensions (mm) |       |       | Weight<br>(kg) | Part number        |
|-------------------------|------------------------|-------------------------------------|------------------------|--------------------------|----------|-------------------------|-----|-----|-----------------|-------|-------|----------------|--------------------|
|                         |                        |                                     |                        |                          |          | 40℃                     | 50℃ | 60℃ | L ± 3           | W ± 3 | H ± 3 |                |                    |
| 2 600                   | 2 570                  | 0.35                                | <100                   | 0.36                     | 17 100   | 220                     | 220 | 220 | 340             | 170   | 610   | 52.5           | C3E3N258-000155+++ |
|                         | 2 940                  | 0.34                                | <100                   | 0.32                     | 19 600   | 220                     | 220 | 220 | 340             | 170   | 690   | 59.0           | C3E3N298-000156+++ |
|                         | 3 310                  | 0.33                                | <100                   | 0.29                     | 22 000   | 220                     | 220 | 220 | 340             | 170   | 770   | 65.4           | C3E3N338-000157+++ |
|                         | 1 380                  | 0.43                                | <100                   | 0.57                     | 9 100    | 220                     | 220 | 183 | 420             | 170   | 285   | 31.9           | C3E3N138-000158+++ |
|                         | 1 830                  | 0.39                                | <100                   | 0.47                     | 12 200   | 220                     | 220 | 214 | 420             | 170   | 365   | 39.8           | C3E3N188-000159+++ |
|                         | 2 290                  | 0.36                                | <100                   | 0.40                     | 15 300   | 220                     | 220 | 220 | 420             | 170   | 445   | 47.7           | C3E3N228-000160+++ |
|                         | 2 750                  | 0.34                                | <100                   | 0.34                     | 18 300   | 220                     | 220 | 220 | 420             | 170   | 525   | 55.5           | C3E3N278-000161+++ |
|                         | 3 210                  | 0.33                                | <100                   | 0.30                     | 21 400   | 220                     | 220 | 220 | 420             | 170   | 610   | 64.0           | C3E3N328-000162+++ |
|                         | 3 670                  | 0.31                                | <100                   | 0.27                     | 24 500   | 220                     | 220 | 220 | 420             | 170   | 690   | 71.9           | C3E3N368-000163+++ |
|                         | 4 130                  | 0.31                                | <100                   | 0.24                     | 27 500   | 220                     | 220 | 220 | 420             | 170   | 770   | 79.8           | C3E3N418-000164+++ |
|                         | 2 × 1 160              | 0.51                                | <100                   | 0.38                     | 7 700    | 220                     | 207 | 146 | 520             | 170   | 375   | 50.4           | C3E3N238-000165+++ |
|                         | 2 × 1 450              | 0.46                                | <100                   | 0.33                     | 9 700    | 220                     | 220 | 166 | 520             | 170   | 455   | 60.0           | C3E3N298-000166+++ |
| 2 800                   | 2 × 1 750              | 0.43                                | <100                   | 0.28                     | 11 600   | 220                     | 220 | 186 | 520             | 170   | 540   | 70.4           | C3E3N358-000167+++ |
|                         | 2 × 2 040              | 0.41                                | <100                   | 0.25                     | 13 600   | 220                     | 220 | 204 | 520             | 170   | 620   | 80.1           | C3E3N408-000168+++ |
|                         | 930                    | 0.50                                | <100                   | 0.69                     | 6 700    | 220                     | 219 | 155 | 340             | 170   | 285   | 26.3           | C3E6P937-000201+++ |
|                         | 1 250                  | 0.44                                | <100                   | 0.57                     | 9 000    | 220                     | 220 | 183 | 340             | 170   | 365   | 32.7           | C3E6P128-000202+++ |
|                         | 1 560                  | 0.40                                | <100                   | 0.48                     | 11 300   | 220                     | 220 | 208 | 340             | 170   | 445   | 39.1           | C3E6P158-000203+++ |
|                         | 1 870                  | 0.37                                | <100                   | 0.41                     | 13 500   | 220                     | 220 | 220 | 340             | 170   | 525   | 45.6           | C3E6P188-000204+++ |
|                         | 2 190                  | 0.36                                | <100                   | 0.36                     | 15 800   | 220                     | 220 | 220 | 340             | 170   | 610   | 52.5           | C3E6P218-000205+++ |
|                         | 2 500                  | 0.34                                | <100                   | 0.32                     | 18 000   | 220                     | 220 | 220 | 340             | 170   | 690   | 59.0           | C3E6P258-000206+++ |
|                         | 2 810                  | 0.33                                | <100                   | 0.29                     | 20 300   | 220                     | 220 | 220 | 340             | 170   | 770   | 65.4           | C3E6P288-000207+++ |
|                         | 1 170                  | 0.45                                | <100                   | 0.58                     | 8 400    | 220                     | 220 | 179 | 420             | 170   | 285   | 31.9           | C3E6P118-000208+++ |
|                         | 1 560                  | 0.40                                | <100                   | 0.48                     | 11 300   | 220                     | 220 | 210 | 420             | 170   | 365   | 39.8           | C3E6P158-000209+++ |
|                         | 1 950                  | 0.37                                | <100                   | 0.40                     | 14 100   | 220                     | 220 | 220 | 420             | 170   | 445   | 47.6           | C3E6P198-000210+++ |
|                         | 2 340                  | 0.35                                | <100                   | 0.35                     | 16 900   | 220                     | 220 | 220 | 420             | 170   | 525   | 55.5           | C3E6P238-000211+++ |
|                         | 2 730                  | 0.33                                | <100                   | 0.30                     | 19 700   | 220                     | 220 | 220 | 420             | 170   | 610   | 64.0           | C3E6P278-000212+++ |
|                         | 3 130                  | 0.32                                | <100                   | 0.27                     | 22 600   | 220                     | 220 | 220 | 420             | 170   | 690   | 71.9           | C3E6P318-000213+++ |
| 3 000                   | 3 520                  | 0.31                                | <100                   | 0.24                     | 25 400   | 220                     | 220 | 220 | 420             | 170   | 770   | 79.8           | C3E6P358-000214+++ |
|                         | 2 × 990                | 0.52                                | <100                   | 0.39                     | 7 100    | 220                     | 202 | 143 | 520             | 170   | 375   | 50.4           | C3E6P198-000215+++ |
|                         | 2 × 1 240              | 0.48                                | <100                   | 0.33                     | 8 900    | 220                     | 220 | 163 | 520             | 170   | 455   | 60.0           | C3E6P248-000216+++ |
|                         | 2 × 1 480              | 0.44                                | <100                   | 0.28                     | 10 700   | 220                     | 220 | 182 | 520             | 170   | 540   | 70.4           | C3E6P298-000217+++ |
|                         | 2 × 1 730              | 0.42                                | <100                   | 0.25                     | 12 500   | 220                     | 220 | 200 | 520             | 170   | 620   | 80.1           | C3E6P348-000218+++ |
|                         | 800                    | 0.52                                | <100                   | 0.70                     | 6 200    | 220                     | 214 | 151 | 340             | 170   | 285   | 26.3           | C3E4Q807-000251+++ |
|                         | 1 070                  | 0.45                                | <100                   | 0.58                     | 8 300    | 220                     | 220 | 179 | 340             | 170   | 365   | 32.7           | C3E4Q108-000252+++ |
|                         | 1 340                  | 0.41                                | <100                   | 0.49                     | 10 400   | 220                     | 220 | 204 | 340             | 170   | 445   | 39.1           | C3E4Q138-000253+++ |
|                         | 1 610                  | 0.38                                | <100                   | 0.42                     | 12 500   | 220                     | 220 | 220 | 340             | 170   | 525   | 45.6           | C3E4Q168-000254+++ |
|                         | 1 880                  | 0.36                                | <100                   | 0.37                     | 14 600   | 220                     | 220 | 220 | 340             | 170   | 610   | 52.5           | C3E4Q188-000255+++ |
|                         | 2 150                  | 0.35                                | <100                   | 0.33                     | 16 700   | 220                     | 220 | 220 | 340             | 170   | 690   | 58.9           | C3E4Q218-000256+++ |
|                         | 2 420                  | 0.34                                | <100                   | 0.29                     | 18 800   | 220                     | 220 | 220 | 340             | 170   | 770   | 65.4           | C3E4Q248-000257+++ |
|                         | 1 010                  | 0.46                                | <100                   | 0.59                     | 7 800    | 220                     | 220 | 175 | 420             | 170   | 285   | 31.9           | C3E4Q108-000258+++ |
|                         | 1 340                  | 0.41                                | <100                   | 0.48                     | 10 400   | 220                     | 220 | 206 | 420             | 170   | 365   | 39.7           | C3E4Q138-000259+++ |
|                         | 1 680                  | 0.37                                | <100                   | 0.41                     | 13 100   | 220                     | 220 | 220 | 420             | 170   | 445   | 47.6           | C3E4Q168-000260+++ |
| 3 000                   | 2 020                  | 0.35                                | <100                   | 0.35                     | 15 700   | 220                     | 220 | 220 | 420             | 170   | 525   | 55.5           | C3E4Q208-000261+++ |
|                         | 2 350                  | 0.34                                | <100                   | 0.31                     | 18 300   | 220                     | 220 | 220 | 420             | 170   | 610   | 64.0           | C3E4Q238-000262+++ |
|                         | 2 690                  | 0.33                                | <100                   | 0.27                     | 20 900   | 220                     | 220 | 220 | 420             | 170   | 690   | 71.9           | C3E4Q268-000263+++ |
|                         | 3 030                  | 0.32                                | <100                   | 0.25                     | 23 600   | 220                     | 220 | 220 | 420             | 170   | 770   | 79.7           | C3E4Q308-000264+++ |
|                         | 2 × 850                | 0.54                                | <100                   | 0.39                     | 6 600    | 220                     | 198 | 140 | 520             | 170   | 375   | 50.4           | C3E4Q178-000265+++ |
|                         | 2 × 1 060              | 0.49                                | <100                   | 0.33                     | 8 300    | 220                     | 220 | 160 | 520             | 170   | 455   | 60.0           | C3E4Q218-000266+++ |
|                         | 2 × 1 280              | 0.46                                | <100                   | 0.29                     | 9 900    | 220                     | 220 | 179 | 520             | 170   | 540   | 70.4           | C3E4Q258-000267+++ |
|                         | 2 × 1 490              | 0.43                                | <100                   | 0.25                     | 11 600   | 220                     | 220 | 196 | 520             | 170   | 620   | 80.1           | C3E4Q298-000268+++ |

备注：1. “-”表示容量偏差。“-”=capacitance tolerance code, J= ± 5.0%, K= ± 10%.

2. “+++”表示内部特征码。“+++”= Internal use.

3.其它容量、电压、尺寸系列可按用户需要定制。Other capacitances, voltages, and dimensions are available on request.

4. R<sub>s</sub>是电容器导体部分的等效内阻，其近似电阻温度系数为0.004/℃。

R<sub>s</sub> is the effective ohmic resistance of the conductors of a capacitor and the approximate TCR is 0.004/℃.

5.上表中列出的R<sub>th</sub>值是在自然冷却条件下的数值。The R<sub>th</sub> values listed in above table depend on natural cooling.

6.上表中列出的I<sub>rms</sub>值是在环境温度 θ<sub>amb</sub>分别为40℃、50℃、60℃时的最大电流有效值。该值通过公式

$\theta_{hs} = \theta_{amb} + I_{rms}^2 \times \{R_s + tg \delta / (2 \times \pi \times f_{ripple} \times C_N)\} \times R_{th}$  计算得到，但不允许超出电极端子的持续载流强度。如需要更大电流，可以通过增大电极端子的直径或者增加电极端子数来实现。

The I<sub>rms</sub> values listed in above table are the maximum allowable r.m.s current at θ<sub>amb</sub> (40℃, 50℃ or 60℃). We can get these values by the formula  $\theta_{hs} = \theta_{amb} + I_{rms}^2 \times \{R_s + tg \delta / (2 \times \pi \times f_{ripple} \times C_N)\} \times R_{th}$ , but they can't exceed the maximum allowed continuous current through the terminals. We can get higher current on request by increasing the diameter of terminals or adding the quantity of terminals.