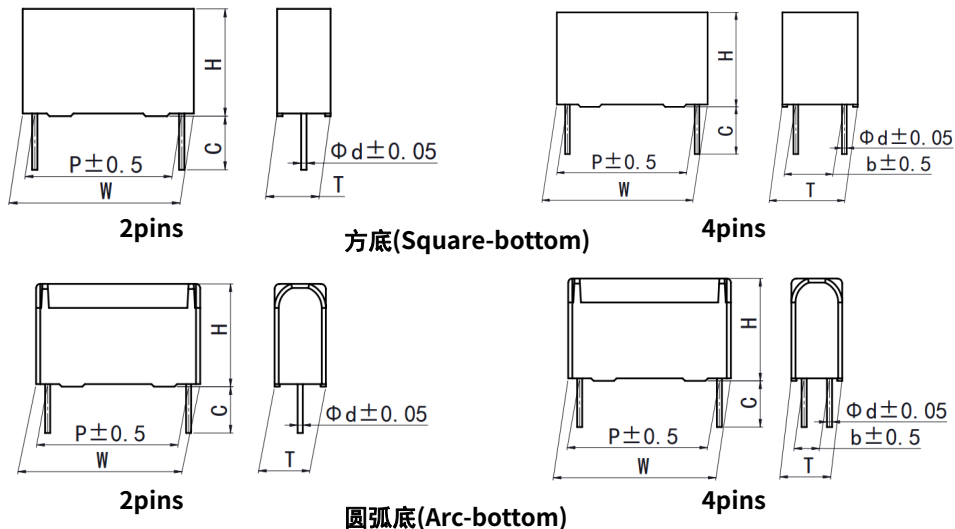


# PCB 用 DC-Link 电容器

## DC-Link Capacitor for PCB

### 外形图 Outline Drawing



### 特点

- 金属化聚丙烯膜结构
- 良好的电气性能
- 塑料外壳封装 (UL94 V-0), 树脂填充
- 高性能直流滤波应用场合  
(如: 变频器、工业和高端电源、太阳能逆变器等)

### Features

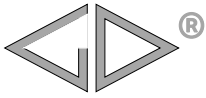
- Metallized polypropylene film structure
- Excellent electric property
- Plastic case (UL94 V-0), filled with resin
- High performance DC filtering applications(i.e. transducers, industrial and high-end power supplies and solar inverters)

### 安全认证 Safety Approvals

|   |  |                    |  |
|---|--|--------------------|--|
| ● |  | TUV Rheinland (德国) | EN 61071: 2007, EN 61881-1: 2011, 450Vdc~3 200Vdc, 0.56μF~220μF, -40°C/85°C<br>证书号 (Certificate No.): R 50266108 |
| ● |  | UL (美国)            | UL 810 (construction only), Max. 5 000Vdc, 90°C<br>证书号 (File No.): E256238, CCN: CZDS2                           |

### 技术要求 Specifications

|   |   |
|---|---|
| 引用标准 Reference Standard   | GB/T 17702 (IEC 61071)  |
| 气候类别 Climatic Category  | 40/85/56  |
| 工作温度范围(外壳) Operating Temperature Range(case)                    | -40°C~105°C<br>(+85°C to +105°C: decreasing factor 1.35% per °C for U <sub>N,85°C</sub> ) |
| 额定电压(U <sub>N,85°C</sub> ) Rated Voltage (U <sub>N,85°C</sub> ) | 500Vdc, 600Vdc, 800Vdc, 900Vdc, 1 000Vdc, 1 100Vdc, 1 200Vdc                              |
| 电容量偏差 Capacitance Tolerance                                     | ±5% (J), ±10% (K)   |
| 耐电压 Voltage Proof   | 1.5U <sub>N</sub> (10s)   |
| 绝缘电阻 Insulation Resistance (IR×C <sub>N</sub> )                 | ≥10 000s (20°C, 100Vdc, 1min)   |
| 自感(L <sub>s</sub> ) Self Inductance(L <sub>s</sub> )            | <1nH per mm of lead spacing   |
| 最大峰值电流 Ĩ (A) Maximum peak current Ĩ (A)                         | Ĩ = C · dV/dt   |
| 预期寿命 Expected lifetime  | 100 000h @ U <sub>N</sub> , θ <sub>hs</sub> =70°C   |



# C3D

## ■ 产品编码说明 Part number system

■ 15 位产品代码如下:

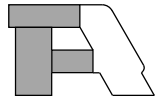
The 15 digits part number is formed as follow:

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

|           |  |                |  |
|-----------|--|----------------|--|
| 第 1~3 位   | 型号代码   | Digit 1 to 3   | Series code  |
|           | <b>C3D</b>   |                | <b>C3D</b>   |
| 第 4~5 位   | 直流额定电压   | Digit 4 to 5   | D.C. rated voltage   |
|           | 2H=500V 1U=600V 2K=800V 1X=900V<br>3A=1 000V 1M=1 100V 3L=1 200V |                | 2H=500V 1U=600V 2K=800V 1X=900V<br>3A=1 000V 1M=1 100V 3L=1 200V |
| 第 6~8 位   | 标称容量   | Digit 6 to 8   | Rated capacitance value  |
|           | 举例: 105=10×10 <sup>5</sup> pF=1.0μF                              |                | for example: 105=10×10 <sup>5</sup> pF=1.0μF                     |
| 第 9 位     | 容量偏差   | Digit 9        | Capacitance tolerance  |
|           | J=±5%, K=±10%  |                | J=±5%, K=±10%  |
| 第 10 位    | 引线脚距 P   | Digit 10       | Pitch  |
|           | B=27.5mm C=30.0mm<br>F=37.5mm M=52.5mm                           |                | B=27.5mm C=30.0mm<br>F=37.5mm M=52.5mm                           |
| 第 11 位    | 内部特征码  | Digit 11       | Internal use   |
| 第 12~15 位 | 引线加工和包装代码  | Digit 12 to 15 | Lead form and packaging code                                     |

■ Table 1 引线加工和包装代码 lead form and packaging code

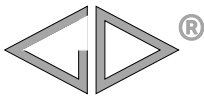
| 第 12 位 Digit 12 |                            | 第 13 位和第 14 位 Digit 13 and Digit 14 |  | 第 15 位 Digit 15 |   |
|-----------------|----------------------------|-------------------------------------|--|-----------------|---|
| 代码 Code         | 说明 explanation             | 代码 Code                             | 说明 explanation                             | 代码 Code         | 说明 explanation                          |
| 0               | 2 引线 Two pins              | C0                                  | 标准引线长度 5.5mm<br>Standard lead length 5.5mm | 0               | 引线长度偏差±1.0mm<br>Length tolerance ±1.0mm |
| 1               | 4 引线 Four pins<br>b=10.0mm | 38                                  | 引线长度 3.8mm<br>Lead length 3.8mm            | 2               | 引线长度偏差±0.5mm<br>Length tolerance ±0.5mm |
| 2               | 4 引线 Four pins<br>b=12.7mm |                                     |  |                 |   |
| 3               | 4 引线 Four pins<br>b=20.0mm |                                     |  |                 |   |
| 4               | 4 引线 Four pins<br>b=15.0mm |                                     |  |                 |   |
| A               | 4 引线 Four pins<br>b=20.3mm |                                     |  |                 |   |
| B               | 4 引线 Four pins<br>b=10.2mm |                                     |  |                 |   |
| C               | 4 引线 Four pins<br>b=5.1mm  |                                     |  |                 |   |
| D               | 4 引线 Four pins<br>b=15.2mm |                                     |  |                 |   |



■ 技术参数 Technical data(mm)

| U <sub>N,85°C</sub> : 500Vdc |           |           |           |           |           |            |                 |                          |       |                       |                         |                 |
|------------------------------|-----------|-----------|-----------|-----------|-----------|------------|-----------------|--------------------------|-------|-----------------------|-------------------------|-----------------|
| C <sub>N</sub><br>(μF)       | W<br>±1.0 | H<br>±1.0 | T<br>±1.0 | P<br>±0.5 | b<br>±0.5 | d<br>±0.05 | dV/dt<br>(V/μs) | tanδ×(10 <sup>-4</sup> ) |       | ESR<br>@10kHz<br>(mΩ) | I <sub>max</sub><br>(A) | Part number     |
|                              |           |           |           |           |           |            |                 | 1kHz                     | 10kHz |                       |                         |                 |
| 5.0                          | 32.0      | 20.0      | 11.0      | 27.5      | -         | 0.8        | 65              | 10                       | 100   | 21.9                  | 5.0                     | C3D2H505+B00*** |
| 10.0                         | 32.0      | 24.5      | 15.0      | 27.5      | -         | 0.8        | 65              | 10                       | 100   | 11.5                  | 6.5                     | C3D2H106+B00*** |
| 22.0                         | 32.0      | 37.0      | 22.0      | 27.5      | -         | 0.8        | 65              | 10                       | 100   | 5.9                   | 10.0                    | C3D2H226+B00*** |
| 30.0                         | 42.0      | 40.0      | 20.0      | 37.5      | 10.2      | 1.0        | 30              | 15                       | 150   | 8.0                   | 12.5                    | C3D2H306+F0B*** |
| 35.0                         | 42.0      | 36.0      | 24.0      | 37.5      | 10.2      | 1.0        | 30              | 15                       | 150   | 8.0                   | 13.5                    | C3D2H356+F0B*** |
| 40.0                         | 41.5      | 37.5      | 27.5      | 37.5      | 10.2      | 1.0        | 30              | 15                       | 150   | 5.0                   | 14.5                    | C3D2H406+F0B*** |
| 50.0                         | 41.0      | 43.0      | 28.0      | 37.5      | 12.7      | 1.2        | 30              | 15                       | 150   | 4.0                   | 16.0                    | C3D2H506+F02*** |
| 50.0                         | 42.0      | 45.0      | 30.0      | 37.5      | 20.3      | 1.2        | 30              | 15                       | 150   | 4.0                   | 16.0                    | C3D2H506+F0A*** |
| 60.0                         | 42.0      | 45.0      | 30.0      | 37.5      | 20.3      | 1.2        | 30              | 15                       | 150   | 3.8                   | 16.5                    | C3D2H606+F0A*** |
| 75.0                         | 57.0      | 43.5      | 29.5      | 52.5      | 12.7      | 1.2        | 15              | 35                       | 350   | 5.5                   | 16.0                    | C3D2H756+M02*** |
| 75.0                         | 57.0      | 43.5      | 29.5      | 52.5      | 20.3      | 1.2        | 15              | 35                       | 350   | 5.5                   | 16.0                    | C3D2H756+M0A*** |
| 80.0                         | 57.0      | 43.5      | 29.5      | 52.5      | 20.3      | 1.2        | 15              | 35                       | 350   | 5.0                   | 16.5                    | C3D2H806+M0A*** |
| 100.0                        | 57.0      | 50.0      | 35.0      | 52.5      | 20.3      | 1.2        | 15              | 35                       | 350   | 4.0                   | 18.0                    | C3D2H107+M0A*** |
| 110.0                        | 57.0      | 50.0      | 35.0      | 52.5      | 20.3      | 1.2        | 15              | 35                       | 350   | 4.0                   | 19.0                    | C3D2H117+M0A*** |

| U <sub>N,85°C</sub> : 600Vdc |           |           |           |           |           |            |                 |                          |       |                       |                         |                 |
|------------------------------|-----------|-----------|-----------|-----------|-----------|------------|-----------------|--------------------------|-------|-----------------------|-------------------------|-----------------|
| C <sub>N</sub><br>(μF)       | W<br>±1.0 | H<br>±1.0 | T<br>±1.0 | P<br>±0.5 | b<br>±0.5 | d<br>±0.05 | dV/dt<br>(V/μs) | tanδ×(10 <sup>-4</sup> ) |       | ESR<br>@10kHz<br>(mΩ) | I <sub>max</sub><br>(A) | Part number     |
|                              |           |           |           |           |           |            |                 | 1kHz                     | 10kHz |                       |                         |                 |
| 2.0                          | 32.0      | 18.0      | 9.0       | 27.5      | -         | 0.8        | 65              | 11                       | 100   | 47.8                  | 2.8                     | C3D1U205+B00*** |
| 3.0                          | 32.0      | 20.0      | 11.0      | 27.5      | -         | 0.8        | 65              | 11                       | 100   | 31.8                  | 4.1                     | C3D1U305+B00*** |
| 4.0                          | 32.0      | 20.0      | 11.0      | 27.5      | -         | 0.8        | 65              | 11                       | 100   | 23.9                  | 5.5                     | C3D1U405+B00*** |
| 5.0                          | 32.0      | 22.0      | 13.0      | 27.5      | -         | 0.8        | 65              | 11                       | 100   | 19.1                  | 6.9                     | C3D1U505+B00*** |
| 6.0                          | 32.0      | 24.5      | 15.0      | 27.5      | -         | 0.8        | 65              | 11                       | 100   | 18.6                  | 7.1                     | C3D1U605+B00*** |
| 7.0                          | 32.0      | 24.5      | 15.0      | 27.5      | -         | 0.8        | 65              | 11                       | 100   | 15.9                  | 8.3                     | C3D1U705+B00*** |
| 8.0                          | 32.0      | 28.0      | 14.0      | 27.5      | -         | 0.8        | 65              | 11                       | 100   | 13.9                  | 9.5                     | C3D1U805+B00*** |
| 9.0                          | 32.0      | 30.0      | 16.0      | 27.5      | -         | 0.8        | 65              | 11                       | 100   | 12.4                  | 10.7                    | C3D1U905+B00*** |
| 10.0                         | 32.0      | 30.0      | 16.0      | 27.5      | -         | 0.8        | 65              | 11                       | 100   | 11.1                  | 11.0                    | C3D1U106+B00*** |
| 12.0                         | 32.0      | 33.0      | 18.0      | 27.5      | -         | 0.8        | 65              | 11                       | 100   | 10.8                  | 12.0                    | C3D1U126+B00*** |
| ★12.0                        | 32.0      | 33.0      | 18.0      | 27.5      | -         | 0.8        | 65              | 11                       | 100   | 10.8                  | 12.0                    | C3D1U126+BY0*** |
| 15.0                         | 32.0      | 37.0      | 22.0      | 27.5      | -         | 0.8        | 65              | 11                       | 100   | 9.0                   | 12.0                    | C3D1U156+B00*** |
| 15.0                         | 32.0      | 37.0      | 22.0      | 27.5      | 10.2      | 0.8        | 65              | 11                       | 100   | 7.4                   | 16.5                    | C3D1U156+B0B*** |
| 18.0                         | 32.0      | 37.0      | 22.0      | 27.5      | -         | 0.8        | 65              | 11                       | 100   | 8.0                   | 12.0                    | C3D1U186+B00*** |
| 18.0                         | 32.0      | 37.0      | 22.0      | 27.5      | 12.7      | 0.8        | 65              | 11                       | 100   | 6.2                   | 17.0                    | C3D1U186+B02*** |
| 10.0                         | 41.0      | 30.0      | 16.0      | 37.5      | -         | 1.0        | 30              | 20                       | 175   | 19.5                  | 6.2                     | C3D1U106+F00*** |
| 12.0                         | 41.0      | 30.0      | 16.0      | 37.5      | -         | 1.0        | 30              | 20                       | 175   | 16.3                  | 7.4                     | C3D1U126+F00*** |
| ★15.0                        | 41.0      | 33.5      | 18.5      | 37.5      | -         | 1.0        | 30              | 20                       | 175   | 13.0                  | 9.2                     | C3D1U156+FY0*** |
| 20.0                         | 42.0      | 40.0      | 20.0      | 37.5      | 10.2      | 1.0        | 30              | 20                       | 175   | 9.8                   | 12.3                    | C3D1U206+F0B*** |
| 22.0                         | 42.0      | 40.0      | 20.0      | 37.5      | 10.2      | 1.0        | 30              | 20                       | 175   | 8.9                   | 13.5                    | C3D1U226+F0B*** |
| 25.0                         | 42.0      | 40.0      | 20.0      | 37.5      | 10.2      | 1.0        | 30              | 20                       | 175   | 7.8                   | 15.4                    | C3D1U256+F0B*** |
| 30.0                         | 42.0      | 44.0      | 24.0      | 37.5      | 12.7      | 1.0        | 30              | 20                       | 175   | 6.5                   | 18.5                    | C3D1U306+F02*** |
| ★35.0                        | 42.0      | 45.0      | 30.0      | 37.5      | 12.7      | 1.2        | 30              | 20                       | 175   | 6.0                   | 20.1                    | C3D1U356+FY2*** |
| 35.0                         | 42.0      | 45.0      | 30.0      | 37.5      | 20.3      | 1.2        | 30              | 20                       | 175   | 6.0                   | 20.1                    | C3D1U356+F0A*** |
| 40.0                         | 42.0      | 45.0      | 30.0      | 37.5      | 12.7      | 1.2        | 30              | 20                       | 175   | 5.2                   | 23.0                    | C3D1U406+F02*** |
| 40.0                         | 42.0      | 45.0      | 30.0      | 37.5      | 20.3      | 1.2        | 30              | 20                       | 175   | 5.2                   | 23.0                    | C3D1U406+F0A*** |

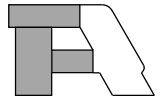


C3D

■ 技术参数 Technical data(mm)

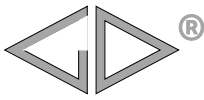
| U <sub>N, 85°C</sub> : 600Vdc |           |           |           |           |           |            |                 |                          |       |                       |                         |                 |
|-------------------------------|-----------|-----------|-----------|-----------|-----------|------------|-----------------|--------------------------|-------|-----------------------|-------------------------|-----------------|
| C <sub>N</sub><br>(μF)        | W<br>±1.0 | H<br>±1.0 | T<br>±1.0 | P<br>±0.5 | b<br>±0.5 | d<br>±0.05 | dV/dt<br>(V/μs) | tanδ×(10 <sup>-4</sup> ) |       | ESR<br>@10kHz<br>(mΩ) | I <sub>max</sub><br>(A) | Part number     |
|                               |           |           |           |           |           |            |                 | 1kHz                     | 10kHz |                       |                         |                 |
| ★ 45.0                        | 42.0      | 50.0      | 35.0      | 37.5      | 12.7      | 1.2        | 30              | 20                       | 175   | 4.6                   | 25.8                    | C3D1U456+F02*** |
| ★ 45.0                        | 42.0      | 50.0      | 35.0      | 37.5      | 20.3      | 1.2        | 30              | 20                       | 175   | 4.6                   | 25.8                    | C3D1U456+FYA*** |
| ★ 50.0                        | 42.0      | 50.0      | 35.0      | 37.5      | 20.3      | 1.2        | 30              | 20                       | 175   | 4.2                   | 28.7                    | C3D1U506+F0A*** |
| ★ 50.0                        | 42.0      | 46.0      | 35.0      | 37.5      | 20.3      | 1.2        | 30              | 20                       | 175   | 4.2                   | 28.7                    | C3D1U506+FAA*** |
| 55.0                          | 42.0      | 50.0      | 35.0      | 37.5      | 20.3      | 1.2        | 30              | 20                       | 175   | 3.8                   | 31.6                    | C3D1U556+F0A*** |
| 60.0                          | 42.0      | 55.0      | 40.0      | 37.5      | 20.3      | 1.2        | 30              | 20                       | 175   | 3.5                   | 34.5                    | C3D1U606+F0A*** |
| ★ 65.0                        | 42.0      | 55.0      | 40.0      | 37.5      | 20.3      | 1.2        | 30              | 20                       | 175   | 3.2                   | 35.0                    | C3D1U656+FYA*** |
| 70.0                          | 42.0      | 55.0      | 40.0      | 37.5      | 20.3      | 1.2        | 30              | 20                       | 175   | 3.0                   | 35.0                    | C3D1U706+F0A*** |
| ★ 75.0                        | 42.0      | 60.0      | 45.0      | 37.5      | 20.3      | 1.2        | 30              | 20                       | 175   | 2.8                   | 35.0                    | C3D1U756+FYA*** |
| ★ 80.0                        | 42.0      | 60.0      | 45.0      | 37.5      | 20.3      | 1.2        | 30              | 20                       | 175   | 2.6                   | 35.0                    | C3D1U806+F0A*** |
| ★ 85.0                        | 42.0      | 60.0      | 45.0      | 37.5      | 20.3      | 1.2        | 30              | 20                       | 175   | 2.5                   | 35.0                    | C3D1U856+F0A*** |
| ★ 40.0                        | 57.0      | 45.0      | 25.0      | 52.5      | 12.7      | 1.2        | 15              | 36                       | 350   | 9.8                   | 12.3                    | C3D1U406+MY2*** |
| ★ 45.0                        | 57.0      | 45.0      | 25.0      | 52.5      | 12.7      | 1.2        | 15              | 36                       | 350   | 8.7                   | 13.8                    | C3D1U456+MY2*** |
| ★ 50.0                        | 57.0      | 45.0      | 25.0      | 52.5      | 12.7      | 1.2        | 15              | 36                       | 350   | 7.8                   | 15.4                    | C3D1U506+MY2*** |
| ★ 55.0                        | 57.0      | 43.5      | 29.5      | 52.5      | 12.7      | 1.2        | 15              | 36                       | 350   | 7.1                   | 16.9                    | C3D1U556+MY2*** |
| ★ 55.0                        | 57.0      | 43.5      | 29.5      | 52.5      | 20.3      | 1.2        | 15              | 36                       | 350   | 7.1                   | 16.9                    | C3D1U556+MYA*** |
| 60.0                          | 57.0      | 43.5      | 29.5      | 52.5      | 12.7      | 1.2        | 15              | 36                       | 350   | 6.5                   | 18.5                    | C3D1U606+M02*** |
| 60.0                          | 57.0      | 43.5      | 29.5      | 52.5      | 20.3      | 1.2        | 15              | 36                       | 350   | 6.5                   | 18.5                    | C3D1U606+M0A*** |
| ★ 65.0                        | 57.0      | 50.0      | 35.0      | 52.5      | 12.7      | 1.2        | 15              | 36                       | 350   | 6.0                   | 20.0                    | C3D1U656+MY2*** |
| ★ 65.0                        | 57.0      | 50.0      | 35.0      | 52.5      | 20.3      | 1.2        | 15              | 36                       | 350   | 6.0                   | 20.0                    | C3D1U656+MYA*** |
| ★ 70.0                        | 57.0      | 50.0      | 35.0      | 52.5      | 20.3      | 1.2        | 15              | 36                       | 350   | 5.6                   | 21.5                    | C3D1U706+MYA*** |
| 75.0                          | 57.0      | 50.0      | 35.0      | 52.5      | 20.3      | 1.2        | 15              | 36                       | 350   | 5.2                   | 23.1                    | C3D1U756+M0A*** |
| 80.0                          | 57.0      | 50.0      | 35.0      | 52.5      | 20.3      | 1.2        | 15              | 36                       | 350   | 4.9                   | 24.6                    | C3D1U806+M0A*** |
| ★ 85.0                        | 57.0      | 55.0      | 45.0      | 52.5      | 20.3      | 1.2        | 15              | 36                       | 350   | 4.8                   | 25.1                    | C3D1U856+MYA*** |
| ★ 90.0                        | 57.0      | 55.0      | 45.0      | 52.5      | 20.3      | 1.2        | 15              | 36                       | 350   | 4.6                   | 25.8                    | C3D1U906+MYA*** |
| ★ 95.0                        | 57.0      | 55.0      | 45.0      | 52.5      | 20.3      | 1.2        | 15              | 36                       | 350   | 4.4                   | 27.3                    | C3D1U956+MYA*** |
| 100.0                         | 57.0      | 55.0      | 45.0      | 52.5      | 20.3      | 1.2        | 15              | 36                       | 350   | 4.2                   | 28.7                    | C3D1U107+M0A*** |
| 110.0                         | 57.0      | 55.0      | 45.0      | 52.5      | 20.3      | 1.2        | 15              | 36                       | 350   | 3.8                   | 31.6                    | C3D1U117+M0A*** |
| 120.0                         | 57.0      | 65.0      | 45.0      | 52.5      | 20.3      | 1.2        | 15              | 36                       | 350   | 3.5                   | 34.5                    | C3D1U127+M0A*** |
| ★ 130.0                       | 57.0      | 65.0      | 45.0      | 52.5      | 20.3      | 1.2        | 15              | 36                       | 350   | 3.2                   | 35.0                    | C3D1U137+MYA*** |
| 140.0                         | 57.0      | 65.0      | 45.0      | 52.5      | 20.3      | 1.2        | 15              | 36                       | 350   | 3.0                   | 35.0                    | C3D1U147+M0A*** |

| U <sub>N, 85°C</sub> : 800Vdc |           |           |           |           |           |            |                 |                          |       |                       |                         |                 |
|-------------------------------|-----------|-----------|-----------|-----------|-----------|------------|-----------------|--------------------------|-------|-----------------------|-------------------------|-----------------|
| C <sub>N</sub><br>(μF)        | W<br>±1.0 | H<br>±1.0 | T<br>±1.0 | P<br>±0.5 | b<br>±0.5 | d<br>±0.05 | dV/dt<br>(V/μs) | tanδ×(10 <sup>-4</sup> ) |       | ESR<br>@10kHz<br>(mΩ) | I <sub>max</sub><br>(A) | Part number     |
|                               |           |           |           |           |           |            |                 | 1kHz                     | 10kHz |                       |                         |                 |
| 2.0                           | 32.0      | 18.0      | 9.0       | 27.5      | -         | 0.8        | 65              | 10                       | 95    | 45.4                  | 2.9                     | C3D2K205+B00*** |
| 3.0                           | 32.0      | 20.0      | 11.0      | 27.5      | -         | 0.8        | 65              | 10                       | 95    | 30.3                  | 4.4                     | C3D2K305+B00*** |
| 3.3                           | 32.0      | 30.0      | 16.0      | 27.5      | -         | 0.8        | 65              | 10                       | 95    | 18.8                  | 7.0                     | C3D2K335+B00*** |
| 4.0                           | 32.0      | 25.0      | 13.0      | 27.5      | -         | 0.8        | 65              | 10                       | 95    | 22.7                  | 5.8                     | C3D2K405+B00*** |
| 5.0                           | 32.0      | 24.5      | 15.0      | 27.5      | -         | 0.8        | 65              | 10                       | 95    | 18.2                  | 7.3                     | C3D2K505+B00*** |
| ★ 6.0                         | 32.0      | 30.0      | 16.0      | 27.5      | -         | 0.8        | 65              | 10                       | 95    | 15.1                  | 8.7                     | C3D2K605+BY0*** |
| 7.0                           | 32.0      | 30.0      | 16.0      | 27.5      | -         | 0.8        | 65              | 10                       | 95    | 13.0                  | 10.2                    | C3D2K705+B00*** |
| 8.0                           | 32.0      | 33.0      | 18.0      | 27.5      | -         | 0.8        | 65              | 10                       | 95    | 12.5                  | 10.5                    | C3D2K805+B00*** |
| 9.0                           | 32.0      | 33.0      | 18.0      | 27.5      | -         | 0.8        | 65              | 10                       | 95    | 11.1                  | 11.8                    | C3D2K905+B00*** |
| 10.0                          | 32.0      | 37.0      | 22.0      | 27.5      | -         | 0.8        | 65              | 10                       | 95    | 11.0                  | 12.0                    | C3D2K106+B00*** |
| ★ 10.0                        | 32.0      | 37.0      | 22.0      | 27.5      | -         | 1.0        | 65              | 10                       | 95    | 11.0                  | 13.0                    | C3D2K106+B10*** |



■ 技术参数 Technical data(mm)

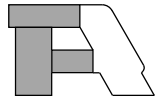
| U <sub>N, 85°C</sub> : 800Vdc |           |           |           |           |           |            |                 |                          |       |                       |                         |                 |
|-------------------------------|-----------|-----------|-----------|-----------|-----------|------------|-----------------|--------------------------|-------|-----------------------|-------------------------|-----------------|
| C <sub>N</sub><br>(μF)        | W<br>±1.0 | H<br>±1.0 | T<br>±1.0 | P<br>±0.5 | b<br>±0.5 | d<br>±0.05 | dV/dt<br>(V/μs) | tanδ×(10 <sup>-4</sup> ) |       | ESR<br>@10kHz<br>(mΩ) | I <sub>max</sub><br>(A) | Part number     |
|                               |           |           |           |           |           |            |                 | 1kHz                     | 10kHz |                       |                         |                 |
| 10.0                          | 32.0      | 37.0      | 22.0      | 27.5      | 10.2      | 0.8        | 65              | 10                       | 95    | 9.1                   | 14.5                    | C3D2K106+B0B*** |
| ★ 11.0                        | 32.0      | 37.0      | 22.0      | 27.5      | -         | 0.8        | 65              | 10                       | 95    | 10.0                  | 12.0                    | C3D2K116+B0***  |
| ★ 11.0                        | 32.0      | 37.0      | 22.0      | 27.5      | 10.2      | 0.8        | 65              | 10                       | 95    | 8.3                   | 16.0                    | C3D2K116+BVB*** |
| 12.0                          | 32.0      | 37.0      | 22.0      | 27.5      | -         | 0.8        | 65              | 10                       | 95    | 9.3                   | 12.0                    | C3D2K126+B00*** |
| 12.0                          | 32.0      | 37.0      | 22.0      | 27.5      | 10.2      | 0.8        | 65              | 10                       | 95    | 7.6                   | 16.0                    | C3D2K126+B0B*** |
| 13.0                          | 32.0      | 37.0      | 22.0      | 27.5      | -         | 0.8        | 65              | 10                       | 95    | 8.8                   | 12.0                    | C3D2K136+B00*** |
| 13.0                          | 32.0      | 37.0      | 22.0      | 27.5      | 12.7      | 0.8        | 65              | 10                       | 95    | 8.1                   | 16.2                    | C3D2K136+B02*** |
| 14.0                          | 32.0      | 37.0      | 22.0      | 27.5      | -         | 0.8        | 65              | 10                       | 95    | 8.2                   | 12.0                    | C3D2K146+B00*** |
| 14.0                          | 32.0      | 37.0      | 22.0      | 27.5      | 12.7      | 0.8        | 65              | 10                       | 95    | 7.6                   | 16.5                    | C3D2K146+B02*** |
| ★ 22.0                        | 32.0      | 55.0      | 22.0      | 27.5      | -         | 1.0        | 65              | 10                       | 95    | 7.5                   | 15.0                    | C3D2K226+B10*** |
| ★ 8.0                         | 41.0      | 30.0      | 16.0      | 37.5      | -         | 1.0        | 30              | 18                       | 160   | 22.3                  | 5.4                     | C3D2K805+FY0*** |
| 9.0                           | 41.0      | 30.0      | 16.0      | 37.5      | -         | 1.0        | 30              | 18                       | 160   | 19.8                  | 6.1                     | C3D2K905+F00*** |
| 10.0                          | 41.0      | 33.5      | 18.5      | 37.5      | -         | 1.0        | 30              | 18                       | 160   | 17.8                  | 6.7                     | C3D2K106+F00*** |
| 12.0                          | 41.0      | 33.5      | 18.5      | 37.5      | -         | 1.0        | 30              | 18                       | 160   | 14.9                  | 8.1                     | C3D2K126+F00*** |
| 14.0                          | 41.0      | 33.5      | 18.5      | 37.5      | -         | 1.0        | 30              | 18                       | 160   | 13.8                  | 9.4                     | C3D2K146+F00*** |
| 15.0                          | 42.0      | 40.0      | 20.0      | 37.5      | 10.2      | 1.0        | 30              | 18                       | 160   | 11.9                  | 10.1                    | C3D2K156+F0B*** |
| 20.0                          | 42.0      | 44.0      | 24.0      | 37.5      | 12.7      | 1.0        | 30              | 18                       | 160   | 8.9                   | 13.5                    | C3D2K206+F02*** |
| 25.0                          | 42.0      | 44.0      | 24.0      | 37.5      | 12.7      | 1.0        | 30              | 18                       | 160   | 7.1                   | 16.8                    | C3D2K256+F02*** |
| 30.0                          | 42.0      | 45.0      | 30.0      | 37.5      | 12.7      | 1.2        | 30              | 18                       | 160   | 5.9                   | 20.2                    | C3D2K306+F02*** |
| 30.0                          | 42.0      | 45.0      | 30.0      | 37.5      | 20.3      | 1.2        | 30              | 18                       | 160   | 5.9                   | 20.2                    | C3D2K306+F0A*** |
| ★ 35.0                        | 42.0      | 50.0      | 35.0      | 37.5      | 20.3      | 1.2        | 30              | 18                       | 160   | 5.5                   | 22.0                    | C3D2K356+F0A*** |
| 40.0                          | 42.0      | 50.0      | 35.0      | 37.5      | 20.3      | 1.2        | 30              | 18                       | 160   | 4.8                   | 25.1                    | C3D2K406+F0A*** |
| ★ 45.0                        | 42.0      | 55.0      | 40.0      | 37.5      | 20.3      | 1.2        | 30              | 18                       | 160   | 4.2                   | 28.3                    | C3D2K456+FYA*** |
| 50.0                          | 42.0      | 55.0      | 40.0      | 37.5      | 20.3      | 1.2        | 30              | 18                       | 160   | 3.8                   | 31.4                    | C3D2K506+F0A*** |
| ★ 55.0                        | 42.0      | 60.0      | 45.0      | 37.5      | 20.3      | 1.2        | 30              | 18                       | 160   | 3.5                   | 34.5                    | C3D2K556+FYA*** |
| ★ 60.0                        | 42.0      | 60.0      | 45.0      | 37.5      | 20.3      | 1.2        | 30              | 18                       | 160   | 3.2                   | 35.0                    | C3D2K606+F0A*** |
| ★ 65.0                        | 42.0      | 60.0      | 45.0      | 37.5      | 20.3      | 1.2        | 30              | 18                       | 160   | 2.9                   | 35.0                    | C3D2K656+F0A*** |
| ★ 25.0                        | 57.0      | 45.0      | 25.0      | 52.5      | 12.7      | 1.2        | 15              | 33                       | 320   | 14.3                  | 8.4                     | C3D2K256+MY2*** |
| ★ 30.0                        | 57.0      | 45.0      | 25.0      | 52.5      | 12.7      | 1.2        | 15              | 33                       | 320   | 11.9                  | 10.1                    | C3D2K306+MY2*** |
| ★ 35.0                        | 57.0      | 45.0      | 25.0      | 52.5      | 12.7      | 1.2        | 15              | 33                       | 320   | 10.2                  | 11.8                    | C3D2K356+M02*** |
| 40.0                          | 57.0      | 43.5      | 29.5      | 52.5      | 12.7      | 1.2        | 15              | 33                       | 320   | 8.9                   | 13.5                    | C3D2K406+M02*** |
| 40.0                          | 57.0      | 43.5      | 29.5      | 52.5      | 20.3      | 1.2        | 15              | 33                       | 320   | 8.9                   | 13.5                    | C3D2K406+M0A*** |
| 45.0                          | 57.0      | 43.5      | 29.5      | 52.5      | 12.7      | 1.2        | 15              | 33                       | 320   | 7.9                   | 15.1                    | C3D2K456+M02*** |
| 45.0                          | 57.0      | 43.5      | 29.5      | 52.5      | 20.3      | 1.2        | 15              | 33                       | 320   | 7.9                   | 15.1                    | C3D2K456+M0A*** |
| 50.0                          | 57.0      | 50.0      | 35.0      | 52.5      | 12.7      | 1.2        | 15              | 33                       | 320   | 7.1                   | 16.8                    | C3D2K506+M02*** |
| 50.0                          | 57.0      | 50.0      | 35.0      | 52.5      | 20.3      | 1.2        | 15              | 33                       | 320   | 7.1                   | 16.8                    | C3D2K506+M0A*** |
| 50.0                          | 57.0      | 45.0      | 30.0      | 52.5      | 20.3      | 1.2        | 15              | 33                       | 320   | 7.1                   | 16.8                    | C3D2K506+M1A*** |
| 55.0                          | 57.0      | 50.0      | 35.0      | 52.5      | 20.3      | 1.2        | 15              | 33                       | 320   | 6.5                   | 18.5                    | C3D2K556+M0A*** |
| 60.0                          | 57.0      | 50.0      | 35.0      | 52.5      | 20.3      | 1.2        | 15              | 33                       | 320   | 5.9                   | 20.2                    | C3D2K606+M0A*** |
| ★ 65.0                        | 57.0      | 55.0      | 45.0      | 52.5      | 20.3      | 1.2        | 15              | 33                       | 320   | 5.5                   | 21.9                    | C3D2K656+MYA*** |
| 70.0                          | 57.0      | 55.0      | 45.0      | 52.5      | 20.3      | 1.2        | 15              | 33                       | 320   | 5.1                   | 23.6                    | C3D2K706+M0A*** |
| ★ 75.0                        | 57.0      | 55.0      | 45.0      | 52.5      | 20.3      | 1.2        | 15              | 33                       | 320   | 4.8                   | 25.2                    | C3D2K756+MYA*** |
| 80.0                          | 57.0      | 55.0      | 45.0      | 52.5      | 20.3      | 1.2        | 15              | 33                       | 320   | 4.6                   | 25.9                    | C3D2K806+M0A*** |
| ★ 85.0                        | 57.0      | 55.0      | 45.0      | 52.5      | 20.3      | 1.2        | 15              | 33                       | 320   | 4.5                   | 26.7                    | C3D2K856+MYA*** |
| 90.0                          | 57.0      | 55.0      | 45.0      | 52.5      | 20.3      | 1.2        | 15              | 33                       | 320   | 4.2                   | 28.3                    | C3D2K906+M0A*** |
| 95.0                          | 57.0      | 65.0      | 45.0      | 52.5      | 20.3      | 1.2        | 15              | 33                       | 320   | 4.0                   | 29.8                    | C3D2K956+M0A*** |
| 100.0                         | 57.0      | 65.0      | 45.0      | 52.5      | 20.3      | 1.2        | 15              | 33                       | 320   | 3.8                   | 31.4                    | C3D2K107+M0A*** |
| 110.0                         | 57.0      | 65.0      | 45.0      | 52.5      | 20.3      | 1.2        | 15              | 33                       | 320   | 3.5                   | 34.5                    | C3D2K117+M0A*** |



C3D

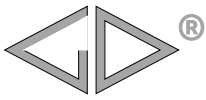
■ 技术参数 Technical data(mm)

| U <sub>N, 85°C</sub> : 900Vdc |           |           |           |           |           |            |                 |                          |       |                       |                         |                 |
|-------------------------------|-----------|-----------|-----------|-----------|-----------|------------|-----------------|--------------------------|-------|-----------------------|-------------------------|-----------------|
| C <sub>N</sub><br>(μF)        | W<br>±1.0 | H<br>±1.0 | T<br>±1.0 | P<br>±0.5 | b<br>±0.5 | d<br>±0.05 | dV/dt<br>(V/μs) | tanδ×(10 <sup>-4</sup> ) |       | ESR<br>@10kHz<br>(mΩ) | I <sub>max</sub><br>(A) | Part number     |
|                               |           |           |           |           |           |            |                 | 1kHz                     | 10kHz |                       |                         |                 |
| 1.0                           | 32.0      | 18.0      | 9.0       | 27.5      | -         | 0.8        | 70              | 9                        | 90    | 86.0                  | 1.5                     | C3D1X105+B00*** |
| 2.0                           | 32.0      | 20.0      | 11.0      | 27.5      | -         | 0.8        | 70              | 9                        | 90    | 43.0                  | 3.1                     | C3D1X205+B00*** |
| 3.0                           | 32.0      | 22.0      | 13.0      | 27.5      | -         | 0.8        | 70              | 9                        | 90    | 28.7                  | 4.6                     | C3D1X305+B00*** |
| 4.0                           | 32.0      | 24.5      | 15.0      | 27.5      | -         | 0.8        | 70              | 9                        | 90    | 21.5                  | 6.1                     | C3D1X405+B00*** |
| 5.0                           | 32.0      | 30.0      | 16.0      | 27.5      | -         | 0.8        | 70              | 9                        | 90    | 17.2                  | 7.7                     | C3D1X505+B00*** |
| ★ 6.0                         | 32.0      | 33.0      | 18.0      | 27.5      | -         | 0.8        | 70              | 9                        | 90    | 18.0                  | 6.9                     | C3D1X605+BY0*** |
| 7.0                           | 32.0      | 33.0      | 18.0      | 27.5      | -         | 0.8        | 70              | 9                        | 90    | 13.0                  | 10.2                    | C3D1X705+B00*** |
| 8.0                           | 32.0      | 37.0      | 22.0      | 27.5      | -         | 0.8        | 70              | 9                        | 90    | 11.5                  | 11.4                    | C3D1X805+B00*** |
| 8.0                           | 32.0      | 37.0      | 22.0      | 27.5      | 10.2      | 0.8        | 70              | 9                        | 90    | 10.7                  | 12.3                    | C3D1X805+B0B*** |
| 9.0                           | 32.0      | 37.0      | 22.0      | 27.5      | -         | 0.8        | 70              | 9                        | 90    | 10.4                  | 12.0                    | C3D1X905+B00*** |
| 9.0                           | 32.0      | 37.0      | 22.0      | 27.5      | 12.7      | 0.8        | 70              | 9                        | 90    | 9.6                   | 13.8                    | C3D1X905+B02*** |
| 10.0                          | 32.0      | 37.0      | 22.0      | 27.5      | -         | 0.8        | 70              | 9                        | 90    | 12.0                  | 12.2                    | C3D1X106+B00*** |
| 10.0                          | 32.0      | 37.0      | 22.0      | 27.5      | 12.7      | 0.8        | 70              | 9                        | 90    | 8.6                   | 15.4                    | C3D1X106+B02*** |
| 4.7                           | 41.0      | 26.0      | 15.0      | 37.5      | -         | 1.0        | 35              | 17                       | 150   | 35.6                  | 3.4                     | C3D1X475+F00*** |
| 5.0                           | 41.0      | 30.0      | 16.0      | 37.5      | -         | 1.0        | 35              | 17                       | 150   | 33.4                  | 3.6                     | C3D1X505+F00*** |
| ★ 6.0                         | 41.0      | 30.0      | 16.0      | 37.5      | -         | 1.0        | 35              | 17                       | 150   | 27.9                  | 4.3                     | C3D1X605+FY0*** |
| 7.0                           | 41.0      | 30.0      | 16.0      | 37.5      | -         | 1.0        | 35              | 17                       | 150   | 23.9                  | 5.0                     | C3D1X705+F00*** |
| 8.0                           | 41.0      | 33.5      | 18.5      | 37.5      | -         | 1.0        | 35              | 17                       | 150   | 20.9                  | 5.7                     | C3D1X805+F00*** |
| 10.0                          | 42.0      | 40.0      | 20.0      | 37.5      | 10.2      | 1.0        | 35              | 17                       | 150   | 16.7                  | 7.2                     | C3D1X106+F0B*** |
| 12.0                          | 41.0      | 37.0      | 22.0      | 37.5      | 10.2      | 1.0        | 35              | 17                       | 150   | 13.9                  | 8.6                     | C3D1X126+F0B*** |
| 15.0                          | 42.0      | 44.0      | 24.0      | 37.5      | 12.7      | 1.0        | 35              | 17                       | 150   | 11.1                  | 10.8                    | C3D1X156+F02*** |
| ★ 18.0                        | 42.0      | 44.0      | 24.0      | 37.5      | 12.7      | 1.0        | 35              | 17                       | 150   | 9.3                   | 12.9                    | C3D1X186+FY2*** |
| 20.0                          | 42.0      | 44.0      | 24.0      | 37.5      | 12.7      | 1.0        | 35              | 17                       | 150   | 8.4                   | 14.4                    | C3D1X206+F02*** |
| 25.0                          | 42.0      | 45.0      | 30.0      | 37.5      | 12.7      | 1.2        | 35              | 17                       | 150   | 6.7                   | 17.9                    | C3D1X256+F02*** |
| 25.0                          | 42.0      | 45.0      | 30.0      | 37.5      | 20.3      | 1.2        | 35              | 17                       | 150   | 6.7                   | 17.9                    | C3D1X256+F0A*** |
| 30.0                          | 42.0      | 50.0      | 35.0      | 37.5      | 20.3      | 1.2        | 35              | 17                       | 150   | 5.6                   | 21.5                    | C3D1X306+F0A*** |
| ★ 35.0                        | 42.0      | 55.0      | 40.0      | 37.5      | 20.3      | 1.2        | 35              | 17                       | 150   | 5.1                   | 23.4                    | C3D1X356+FYA*** |
| 40.0                          | 42.0      | 55.0      | 40.0      | 37.5      | 20.3      | 1.2        | 35              | 17                       | 150   | 4.5                   | 26.8                    | C3D1X406+F0A*** |
| ★ 45.0                        | 42.0      | 60.0      | 45.0      | 37.5      | 20.3      | 1.2        | 35              | 17                       | 150   | 4.0                   | 30.1                    | C3D1X456+FYA*** |
| ★ 50.0                        | 42.0      | 60.0      | 45.0      | 37.5      | 20.3      | 1.2        | 35              | 17                       | 150   | 3.6                   | 33.5                    | C3D1X506+F0A*** |
| ★ 15.0                        | 57.0      | 45.0      | 25.0      | 52.5      | 10.2      | 1.2        | 15              | 31                       | 300   | 22.3                  | 5.4                     | C3D1X156+MYB*** |
| ★ 20.0                        | 57.0      | 45.0      | 25.0      | 52.5      | 12.7      | 1.2        | 15              | 31                       | 300   | 16.7                  | 7.2                     | C3D1X206+MY2*** |
| ★ 25.0                        | 57.0      | 45.0      | 25.0      | 52.5      | 12.7      | 1.2        | 15              | 31                       | 300   | 13.4                  | 9.0                     | C3D1X256+MY2*** |
| ★ 30.0                        | 57.0      | 43.5      | 29.5      | 52.5      | 12.7      | 1.2        | 15              | 31                       | 300   | 11.1                  | 10.8                    | C3D1X306+MY2*** |
| 30.0                          | 57.0      | 43.5      | 29.5      | 52.5      | 20.3      | 1.2        | 15              | 31                       | 300   | 11.1                  | 10.8                    | C3D1X306+M0A*** |
| ★ 35.0                        | 57.0      | 43.5      | 29.5      | 52.5      | 12.7      | 1.2        | 15              | 31                       | 300   | 9.6                   | 12.6                    | C3D1X356+MY2*** |
| ★ 35.0                        | 57.0      | 43.5      | 29.5      | 52.5      | 20.3      | 1.2        | 15              | 31                       | 300   | 9.6                   | 12.6                    | C3D1X356+MYA*** |
| 40.0                          | 57.0      | 50.0      | 35.0      | 52.5      | 20.3      | 1.2        | 15              | 31                       | 300   | 8.4                   | 14.4                    | C3D1X406+M0A*** |
| ★ 45.0                        | 57.0      | 50.0      | 35.0      | 52.5      | 20.3      | 1.2        | 15              | 31                       | 300   | 7.4                   | 16.1                    | C3D1X456+MYA*** |
| 50.0                          | 57.0      | 50.0      | 35.0      | 52.5      | 20.3      | 1.2        | 15              | 31                       | 300   | 6.7                   | 17.9                    | C3D1X506+M0A*** |
| ★ 55.0                        | 57.0      | 55.0      | 45.0      | 52.5      | 20.3      | 1.2        | 15              | 31                       | 300   | 6.1                   | 19.7                    | C3D1X556+MYA*** |
| ★ 60.0                        | 57.0      | 55.0      | 45.0      | 52.5      | 20.3      | 1.2        | 15              | 31                       | 300   | 5.6                   | 21.5                    | C3D1X606+MYA*** |
| ★ 65.0                        | 57.0      | 55.0      | 45.0      | 52.5      | 20.3      | 1.2        | 15              | 31                       | 300   | 5.1                   | 23.3                    | C3D1X656+MYA*** |
| ★ 70.0                        | 57.0      | 65.0      | 45.0      | 52.5      | 20.3      | 1.2        | 15              | 31                       | 300   | 4.8                   | 25.1                    | C3D1X706+MYA*** |
| ★ 75.0                        | 57.0      | 65.0      | 45.0      | 52.5      | 20.3      | 1.2        | 15              | 31                       | 300   | 4.7                   | 25.7                    | C3D1X756+MYA*** |
| ★ 80.0                        | 57.0      | 65.0      | 45.0      | 52.5      | 20.3      | 1.2        | 15              | 31                       | 300   | 4.5                   | 26.8                    | C3D1X806+MYA*** |
| 85.0                          | 57.0      | 65.0      | 45.0      | 52.5      | 20.3      | 1.2        | 15              | 31                       | 300   | 4.2                   | 28.5                    | C3D1X856+M0A*** |



■ 技术参数 Technical data(mm)

| U <sub>N,85°C</sub> : 1 000Vdc |           |           |           |           |           |            |                 |                          |       |                       |                         |                 |
|--------------------------------|-----------|-----------|-----------|-----------|-----------|------------|-----------------|--------------------------|-------|-----------------------|-------------------------|-----------------|
| C <sub>N</sub><br>(μF)         | W<br>±1.0 | H<br>±1.0 | T<br>±1.0 | P<br>±0.5 | b<br>±0.5 | d<br>±0.05 | dV/dt<br>(V/μs) | tanδ×(10 <sup>-4</sup> ) |       | ESR<br>@10kHz<br>(mΩ) | I <sub>max</sub><br>(A) | Part number     |
|                                |           |           |           |           |           |            |                 | 1kHz                     | 10kHz |                       |                         |                 |
| 1.0                            | 32.0      | 18.0      | 9.0       | 27.5      | -         | 0.8        | 75              | 8                        | 80    | 76.4                  | 1.7                     | C3D3A105+B00*** |
| 2.0                            | 32.0      | 22.0      | 13.0      | 27.5      | -         | 0.8        | 75              | 8                        | 80    | 38.2                  | 3.5                     | C3D3A205+B00*** |
| 3.0                            | 32.0      | 24.5      | 15.0      | 27.5      | -         | 0.8        | 75              | 8                        | 80    | 25.5                  | 5.2                     | C3D3A305+B00*** |
| 4.0                            | 32.0      | 30.0      | 16.0      | 27.5      | -         | 0.8        | 75              | 8                        | 80    | 19.1                  | 6.9                     | C3D3A405+B00*** |
| 5.0                            | 32.0      | 33.0      | 18.0      | 27.5      | -         | 0.8        | 75              | 8                        | 80    | 15.3                  | 8.6                     | C3D3A505+B00*** |
| 6.0                            | 32.0      | 33.0      | 18.0      | 27.5      | -         | 0.8        | 75              | 8                        | 80    | 14.9                  | 8.9                     | C3D3A605+B00*** |
| ★ 7.0                          | 32.0      | 37.0      | 22.0      | 27.5      | -         | 0.8        | 75              | 8                        | 80    | 14.5                  | 9.4                     | C3D3A705+B00*** |
| ★ 7.0                          | 32.0      | 37.0      | 22.0      | 27.5      | 12.7      | 0.8        | 75              | 8                        | 80    | 11.4                  | 11.6                    | C3D3A705+B02*** |
| 8.0                            | 32.0      | 37.0      | 22.0      | 27.5      | -         | 0.8        | 75              | 8                        | 80    | 13.0                  | 10.8                    | C3D3A805+B00*** |
| 8.0                            | 32.0      | 37.0      | 22.0      | 27.5      | 12.7      | 0.8        | 75              | 8                        | 80    | 10.0                  | 13.3                    | C3D3A805+B02*** |
| ★ 5.0                          | 41.0      | 30.0      | 16.0      | 37.5      | -         | 1.0        | 37              | 15                       | 140   | 31.2                  | 3.8                     | C3D3A505+FY0*** |
| 6.0                            | 41.0      | 30.0      | 16.0      | 37.5      | -         | 1.0        | 37              | 15                       | 140   | 26.0                  | 4.6                     | C3D3A605+F00*** |
| 7.0                            | 41.0      | 33.5      | 18.5      | 37.5      | -         | 1.0        | 37              | 15                       | 140   | 22.3                  | 5.4                     | C3D3A705+F00*** |
| 8.0                            | 41.0      | 33.5      | 18.5      | 37.5      | -         | 1.0        | 37              | 15                       | 140   | 19.5                  | 6.2                     | C3D3A805+F00*** |
| 10.0                           | 42.0      | 40.0      | 20.0      | 37.5      | -         | 1.0        | 37              | 15                       | 140   | 15.6                  | 6.7                     | C3D3A106+F00*** |
| 10.0                           | 42.0      | 40.0      | 20.0      | 37.5      | 10.2      | 1.0        | 37              | 15                       | 140   | 15.6                  | 7.7                     | C3D3A106+F0B*** |
| 12.0                           | 41.0      | 37.0      | 22.0      | 37.5      | 12.7      | 1.0        | 37              | 15                       | 140   | 13.0                  | 9.2                     | C3D3A126+F02*** |
| 12.0                           | 41.0      | 37.0      | 22.0      | 37.5      | -         | 1.0        | 37              | 15                       | 140   | 15.0                  | 8.0                     | C3D3A126+F00*** |
| 15.0                           | 42.0      | 44.0      | 24.0      | 37.5      | 12.7      | 1.0        | 37              | 15                       | 140   | 10.4                  | 11.5                    | C3D3A156+F02*** |
| 18.0                           | 42.0      | 45.0      | 30.0      | 37.5      | 12.7      | 1.2        | 37              | 15                       | 140   | 8.7                   | 13.8                    | C3D3A186+F02*** |
| 18.0                           | 42.0      | 45.0      | 30.0      | 37.5      | 20.3      | 1.2        | 37              | 15                       | 140   | 8.7                   | 13.8                    | C3D3A186+F0A*** |
| 20.0                           | 42.0      | 45.0      | 30.0      | 37.5      | 12.7      | 1.2        | 37              | 15                       | 140   | 7.8                   | 15.4                    | C3D3A206+F02*** |
| 20.0                           | 42.0      | 45.0      | 30.0      | 37.5      | 20.3      | 1.2        | 37              | 15                       | 140   | 7.8                   | 15.4                    | C3D3A206+F0A*** |
| 25.0                           | 42.0      | 50.0      | 35.0      | 37.5      | 20.3      | 1.2        | 37              | 15                       | 140   | 6.2                   | 19.2                    | C3D3A256+F0A*** |
| ★ 30.0                         | 42.0      | 55.0      | 40.0      | 37.5      | 20.3      | 1.2        | 37              | 15                       | 140   | 5.2                   | 23.1                    | C3D3A306+FYA*** |
| 35.0                           | 42.0      | 55.0      | 40.0      | 37.5      | 20.3      | 1.2        | 37              | 15                       | 140   | 4.8                   | 25.1                    | C3D3A356+F0A*** |
| ★ 40.0                         | 42.0      | 60.0      | 45.0      | 37.5      | 20.3      | 1.2        | 37              | 15                       | 140   | 4.2                   | 28.7                    | C3D3A406+F0A*** |
| ★ 15.0                         | 57.0      | 45.0      | 25.0      | 52.5      | 12.7      | 1.2        | 17              | 28                       | 280   | 20.8                  | 5.8                     | C3D3A156+MY2*** |
| ★ 20.0                         | 57.0      | 45.0      | 25.0      | 52.5      | 12.7      | 1.2        | 17              | 28                       | 280   | 15.6                  | 7.7                     | C3D3A206+M02*** |
| ★ 25.0                         | 57.0      | 45.0      | 25.0      | 52.5      | 12.7      | 1.2        | 17              | 28                       | 280   | 12.5                  | 9.6                     | C3D3A256+MY2*** |
| ★ 30.0                         | 57.0      | 43.5      | 29.5      | 52.5      | 12.7      | 1.2        | 17              | 28                       | 280   | 10.4                  | 11.5                    | C3D3A306KM02*** |
| 30.0                           | 57.0      | 43.5      | 29.5      | 52.5      | 20.3      | 1.2        | 17              | 28                       | 280   | 10.4                  | 11.5                    | C3D3A306KM0A*** |
| 30.0                           | 57.0      | 45.0      | 30.0      | 52.5      | 12.7      | 1.2        | 17              | 28                       | 280   | 10.4                  | 11.5                    | C3D3A306JM02*** |
| 30.0                           | 57.0      | 45.0      | 30.0      | 52.5      | 20.3      | 1.2        | 17              | 28                       | 280   | 10.4                  | 11.5                    | C3D3A306JM0A*** |
| ★ 35.0                         | 57.0      | 50.0      | 35.0      | 52.5      | 20.3      | 1.2        | 17              | 28                       | 280   | 8.9                   | 13.5                    | C3D3A356+MYA*** |
| 40.0                           | 57.0      | 50.0      | 35.0      | 52.5      | 20.3      | 1.2        | 17              | 28                       | 280   | 7.8                   | 15.4                    | C3D3A406+M0A*** |
| 45.0                           | 57.0      | 55.0      | 45.0      | 52.5      | 20.3      | 1.2        | 17              | 28                       | 280   | 6.9                   | 17.3                    | C3D3A456+M0A*** |
| 50.0                           | 57.0      | 55.0      | 45.0      | 52.5      | 20.3      | 1.2        | 17              | 28                       | 280   | 6.2                   | 19.2                    | C3D3A506+M0A*** |
| 55.0                           | 57.0      | 55.0      | 45.0      | 52.5      | 20.3      | 1.2        | 17              | 28                       | 280   | 5.7                   | 21.1                    | C3D3A556+M0A*** |
| ★ 60.0                         | 57.0      | 65.0      | 45.0      | 52.5      | 20.3      | 1.2        | 17              | 28                       | 280   | 5.2                   | 23.1                    | C3D3A606+MYA*** |
| 65.0                           | 57.0      | 65.0      | 45.0      | 52.5      | 20.3      | 1.2        | 17              | 28                       | 280   | 4.8                   | 25.0                    | C3D3A656+M0A*** |
| 70.0                           | 57.0      | 65.0      | 45.0      | 52.5      | 20.3      | 1.2        | 17              | 28                       | 280   | 4.5                   | 26.9                    | C3D3A706+M0A*** |

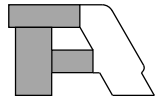


# C3D

## ■ 技术参数 Technical data(mm)

| U <sub>N,85°C</sub> : 1 000Vdc |           |           |           |           |           |            |                 |                          |       |                       |                         |                 |
|--------------------------------|-----------|-----------|-----------|-----------|-----------|------------|-----------------|--------------------------|-------|-----------------------|-------------------------|-----------------|
| C <sub>N</sub><br>(μF)         | W<br>±1.0 | H<br>±1.0 | T<br>±1.0 | P<br>±0.5 | b<br>±0.5 | d<br>±0.05 | dV/dt<br>(V/μs) | tanδ×(10 <sup>-4</sup> ) |       | ESR<br>@10kHz<br>(mΩ) | I <sub>max</sub><br>(A) | Part number     |
|                                |           |           |           |           |           |            |                 | 1kHz                     | 10kHz |                       |                         |                 |
| 0.68                           | 32.0      | 20.0      | 11.0      | 27.5      | -         | 0.8        | 80              | 8                        | 70    | 80.0                  | 1.7                     | C3D1M684+B00*** |
| 1.0                            | 32.0      | 20.0      | 11.0      | 27.5      | -         | 0.8        | 80              | 8                        | 70    | 59.4                  | 2.2                     | C3D1M105+B00*** |
| 1.5                            | 32.0      | 22.0      | 13.0      | 27.5      | -         | 0.8        | 80              | 8                        | 70    | 55.7                  | 2.4                     | C3D1M155+B00*** |
| 2.0                            | 32.0      | 25.0      | 13.0      | 27.5      | -         | 0.8        | 80              | 8                        | 70    | 27.9                  | 4.7                     | C3D1M205JB00*** |
| ★ 2.0                          | 32.0      | 25.0      | 13.0      | 27.5      | -         | 0.8        | 80              | 8                        | 70    | 27.9                  | 4.7                     | C3D1M205KB00*** |
| 3.0                            | 32.0      | 30.0      | 16.0      | 27.5      | -         | 0.8        | 80              | 8                        | 70    | 20.4                  | 6.5                     | C3D1M305+B00*** |
| 4.0                            | 32.0      | 33.0      | 18.0      | 27.5      | -         | 0.8        | 80              | 8                        | 70    | 15.3                  | 8.6                     | C3D1M405+B00*** |
| 5.0                            | 32.0      | 37.0      | 22.0      | 27.5      | -         | 0.8        | 80              | 8                        | 70    | 14.0                  | 9.8                     | C3D1M505+B00*** |
| 5.0                            | 32.0      | 37.0      | 22.0      | 27.5      | 10.2      | 0.8        | 80              | 8                        | 70    | 12.3                  | 10.8                    | C3D1M505+B0B*** |
| 6.0                            | 32.0      | 37.0      | 22.0      | 27.5      | -         | 0.8        | 80              | 8                        | 70    | 12.3                  | 10.8                    | C3D1M605+B00*** |
| 6.0                            | 32.0      | 37.0      | 22.0      | 27.5      | 10.2      | 0.8        | 80              | 8                        | 70    | 10.2                  | 12.9                    | C3D1M605+B0B*** |
| ★ 3.0                          | 41.0      | 30.0      | 16.0      | 37.5      | -         | 1.0        | 40              | 15                       | 130   | 48.3                  | 2.5                     | C3D1M305+FY0*** |
| ★ 4.0                          | 41.0      | 30.0      | 16.0      | 37.5      | -         | 1.0        | 40              | 15                       | 130   | 36.2                  | 3.3                     | C3D1M405+FY0*** |
| ★ 4.7                          | 41.0      | 33.5      | 18.5      | 37.5      | -         | 1.0        | 40              | 15                       | 130   | 30.8                  | 3.9                     | C3D1M475+FY0*** |
| 5.0                            | 41.0      | 33.5      | 18.5      | 37.5      | -         | 1.0        | 40              | 15                       | 130   | 29.0                  | 4.1                     | C3D1M505+F00*** |
| ★ 6.0                          | 41.0      | 33.5      | 18.5      | 37.5      | -         | 1.0        | 40              | 15                       | 130   | 24.2                  | 5.0                     | C3D1M605+FY0*** |
| 7.0                            | 42.0      | 40.0      | 20.0      | 37.5      | 10.2      | 1.0        | 40              | 15                       | 130   | 20.7                  | 5.8                     | C3D1M705+F0B*** |
| 8.0                            | 41.0      | 37.0      | 22.0      | 37.5      | 10.2      | 1.0        | 40              | 15                       | 130   | 18.1                  | 6.6                     | C3D1M805+F0B*** |
| 9.0                            | 41.0      | 37.0      | 22.0      | 37.5      | 12.7      | 1.0        | 40              | 15                       | 130   | 16.1                  | 7.5                     | C3D1M905+F02*** |
| 10.0                           | 42.0      | 44.0      | 24.0      | 37.5      | 12.7      | 1.0        | 40              | 15                       | 130   | 14.5                  | 8.3                     | C3D1M106+F02*** |
| 12.0                           | 42.0      | 44.0      | 24.0      | 37.5      | 12.7      | 1.0        | 40              | 15                       | 130   | 12.1                  | 9.9                     | C3D1M126+F02*** |
| ★ 12.0                         | 42.0      | 44.0      | 24.0      | 37.5      | -         | 1.0        | 40              | 15                       | 130   | 14.0                  | 8.6                     | C3D1M126+FY0*** |
| 14.0                           | 42.0      | 45.0      | 30.0      | 37.5      | -         | 1.2        | 40              | 15                       | 130   | 10.4                  | 11.6                    | C3D1M146+F00*** |
| 15.0                           | 42.0      | 45.0      | 30.0      | 37.5      | 12.7      | 1.2        | 40              | 15                       | 130   | 9.7                   | 12.4                    | C3D1M156+F02*** |
| 15.0                           | 42.0      | 45.0      | 30.0      | 37.5      | 20.3      | 1.2        | 40              | 15                       | 130   | 9.7                   | 12.4                    | C3D1M156+F0A*** |
| ★ 18.0                         | 42.0      | 50.0      | 35.0      | 37.5      | 20.3      | 1.2        | 40              | 15                       | 130   | 8.1                   | 14.9                    | C3D1M186+FYA*** |
| 20.0                           | 42.0      | 50.0      | 35.0      | 37.5      | 20.3      | 1.2        | 40              | 15                       | 130   | 7.2                   | 16.6                    | C3D1M206+F0A*** |
| 25.0                           | 42.0      | 55.0      | 40.0      | 37.5      | 20.3      | 1.2        | 40              | 15                       | 130   | 5.8                   | 20.7                    | C3D1M256+F0A*** |
| ★ 30.0                         | 42.0      | 60.0      | 45.0      | 37.5      | 20.3      | 1.2        | 40              | 15                       | 130   | 4.8                   | 24.8                    | C3D1M306+F0A*** |
| ★ 15.0                         | 57.0      | 45.0      | 25.0      | 52.5      | 12.7      | 1.2        | 20              | 27                       | 260   | 19.3                  | 6.2                     | C3D1M156+M02*** |
| 20.0                           | 57.0      | 43.5      | 29.5      | 52.5      | 12.7      | 1.2        | 20              | 27                       | 260   | 14.5                  | 8.3                     | C3D1M206+M02*** |
| 20.0                           | 57.0      | 43.5      | 29.5      | 52.5      | 20.3      | 1.2        | 20              | 27                       | 260   | 14.5                  | 8.3                     | C3D1M206+M0A*** |
| 25.0                           | 57.0      | 50.0      | 35.0      | 52.5      | 20.3      | 1.2        | 20              | 27                       | 260   | 11.6                  | 10.4                    | C3D1M256+M0A*** |
| 30.0                           | 57.0      | 50.0      | 35.0      | 52.5      | 20.3      | 1.2        | 20              | 27                       | 260   | 9.7                   | 12.4                    | C3D1M306+M0A*** |
| ★ 35.0                         | 57.0      | 55.0      | 45.0      | 52.5      | 20.3      | 1.2        | 20              | 27                       | 260   | 8.4                   | 14.3                    | C3D1M356+MYA*** |
| 40.0                           | 57.0      | 55.0      | 45.0      | 52.5      | 20.3      | 1.2        | 20              | 27                       | 260   | 7.8                   | 15.5                    | C3D1M406+M0A*** |
| ★ 45.0                         | 57.0      | 55.0      | 45.0      | 52.5      | 20.3      | 1.2        | 20              | 27                       | 260   | 6.9                   | 17.4                    | C3D1M456+MYA*** |
| 50.0                           | 57.0      | 65.0      | 45.0      | 52.5      | 20.3      | 1.2        | 20              | 27                       | 260   | 6.2                   | 19.3                    | C3D1M506+M0A*** |
| ★ 55.0                         | 57.0      | 65.0      | 45.0      | 52.5      | 20.3      | 1.2        | 20              | 27                       | 260   | 5.6                   | 21.3                    | C3D1M556+MYA*** |





## ■ 技术参数 Technical data(mm)

| U <sub>N, 85°C</sub> : 1 200Vdc |           |           |           |           |           |            |                 |                          |       |                       |                         |                 |
|---------------------------------|-----------|-----------|-----------|-----------|-----------|------------|-----------------|--------------------------|-------|-----------------------|-------------------------|-----------------|
| C <sub>N</sub><br>(μF)          | W<br>±1.0 | H<br>±1.0 | T<br>±1.0 | P<br>±0.5 | b<br>±0.5 | d<br>±0.05 | dV/dt<br>(V/μs) | tanδ×(10 <sup>-4</sup> ) |       | ESR<br>@10kHz<br>(mΩ) | I <sub>max</sub><br>(A) | Part number     |
|                                 |           |           |           |           |           |            |                 | 1kHz                     | 10kHz |                       |                         |                 |
| 1.0                             | 32.0      | 20.0      | 11.0      | 27.5      | -         | 0.8        | 90              | 7                        | 55    | 39.5                  | 3.5                     | C3D3L105+B00*** |
| 2.0                             | 32.0      | 24.5      | 15.0      | 27.5      | -         | 0.8        | 90              | 7                        | 55    | 26.3                  | 5.0                     | C3D3L205+B00*** |
| 3.0                             | 32.0      | 30.0      | 16.0      | 27.5      | -         | 0.8        | 90              | 7                        | 55    | 17.5                  | 7.5                     | C3D3L305+B00*** |
| 4.0                             | 32.0      | 33.0      | 18.0      | 27.5      | -         | 0.8        | 90              | 7                        | 55    | 13.9                  | 9.5                     | C3D3L405+B00*** |
| 5.0                             | 32.0      | 37.0      | 22.0      | 27.5      | -         | 0.8        | 90              | 7                        | 55    | 12.7                  | 10.4                    | C3D3L505+B00*** |
| 5.0                             | 32.0      | 37.0      | 22.0      | 27.5      | 10.2      | 0.8        | 90              | 7                        | 55    | 11.1                  | 11.8                    | C3D3L505+B0B*** |
| 3.0                             | 41.0      | 30.0      | 16.0      | 37.5      | -         | 1.0        | 45              | 13                       | 100   | 37.2                  | 3.2                     | C3D3L305+F00*** |
| 4.0                             | 41.0      | 30.0      | 16.0      | 37.5      | -         | 1.0        | 45              | 13                       | 100   | 27.9                  | 4.3                     | C3D3L405+F00*** |
| 5.0                             | 41.0      | 33.5      | 18.5      | 37.5      | -         | 1.0        | 45              | 13                       | 100   | 22.3                  | 5.4                     | C3D3L505+F00*** |
| 6.0                             | 42.0      | 40.0      | 20.0      | 37.5      | -         | 1.0        | 45              | 13                       | 100   | 18.6                  | 6.5                     | C3D3L605+F00*** |
| ★ 7.0                           | 41.0      | 37.0      | 22.0      | 37.5      | 10.2      | 1.0        | 45              | 13                       | 100   | 15.9                  | 7.5                     | C3D3L705+FYB*** |
| ★ 8.0                           | 42.0      | 44.0      | 24.0      | 37.5      | 12.7      | 1.0        | 45              | 13                       | 100   | 13.9                  | 8.6                     | C3D3L805+FY2*** |
| ★ 9.0                           | 42.0      | 44.0      | 24.0      | 37.5      | 12.7      | 1.0        | 45              | 13                       | 100   | 12.4                  | 9.7                     | C3D3L905+FY2*** |
| 10.0                            | 42.0      | 44.0      | 24.0      | 37.5      | 12.7      | 1.0        | 45              | 13                       | 100   | 11.1                  | 10.8                    | C3D3L106+F02*** |
| ★ 12.0                          | 42.0      | 45.0      | 30.0      | 37.5      | 12.7      | 1.2        | 45              | 13                       | 100   | 9.3                   | 12.9                    | C3D3L126+FY2*** |
| ★ 12.0                          | 42.0      | 45.0      | 30.0      | 37.5      | 20.3      | 1.2        | 45              | 13                       | 100   | 9.3                   | 12.9                    | C3D3L126+FYA*** |
| ★ 15.0                          | 42.0      | 50.0      | 35.0      | 37.5      | 20.3      | 1.2        | 45              | 13                       | 100   | 7.4                   | 16.1                    | C3D3L156+FYA*** |
| ★ 18.0                          | 42.0      | 50.0      | 35.0      | 37.5      | 20.3      | 1.2        | 45              | 13                       | 100   | 6.6                   | 18.1                    | C3D3L186+FYA*** |
| 20.0                            | 42.0      | 55.0      | 40.0      | 37.5      | 20.3      | 1.2        | 45              | 13                       | 100   | 6.0                   | 20.1                    | C3D3L206+F0A*** |
| ★ 25.0                          | 42.0      | 60.0      | 45.0      | 37.5      | 20.3      | 1.2        | 45              | 13                       | 100   | 4.8                   | 25.1                    | C3D3L256+FYA*** |
| ★ 12.0                          | 57.0      | 45.0      | 25.0      | 52.5      | 12.7      | 1.2        | 23              | 24                       | 200   | 19.9                  | 6.0                     | C3D3L126+MY2*** |
| ★ 15.0                          | 57.0      | 45.0      | 25.0      | 52.5      | 12.7      | 1.2        | 23              | 24                       | 200   | 15.9                  | 7.5                     | C3D3L156+MY2*** |
| ★ 20.0                          | 57.0      | 43.5      | 29.5      | 52.5      | 12.7      | 1.2        | 23              | 24                       | 200   | 11.9                  | 10.0                    | C3D3L206KMY2*** |
| 20.0                            | 57.0      | 43.5      | 29.5      | 52.5      | 20.3      | 1.2        | 23              | 24                       | 200   | 11.9                  | 10.0                    | C3D3L206KM0A*** |
| 20.0                            | 57.0      | 45.0      | 30.0      | 52.5      | 12.7      | 1.2        | 23              | 24                       | 200   | 11.9                  | 10.0                    | C3D3L206JM02*** |
| 20.0                            | 57.0      | 45.0      | 30.0      | 52.5      | 20.3      | 1.2        | 23              | 24                       | 200   | 11.9                  | 10.0                    | C3D3L206JM0A*** |
| 25.0                            | 57.0      | 50.0      | 35.0      | 52.5      | 20.3      | 1.2        | 23              | 24                       | 200   | 9.6                   | 12.6                    | C3D3L256+M0A*** |
| 30.0                            | 57.0      | 55.0      | 45.0      | 52.5      | 20.3      | 1.2        | 23              | 24                       | 200   | 8.0                   | 15.1                    | C3D3L306+M0A*** |
| 35.0                            | 57.0      | 55.0      | 45.0      | 52.5      | 20.3      | 1.2        | 23              | 24                       | 200   | 6.8                   | 17.6                    | C3D3L356+M0A*** |
| 40.0                            | 57.0      | 65.0      | 45.0      | 52.5      | 20.3      | 1.2        | 23              | 24                       | 200   | 6.0                   | 20.1                    | C3D3L406+M0A*** |
| 45.0                            | 57.0      | 65.0      | 45.0      | 52.5      | 20.3      | 1.2        | 23              | 24                       | 200   | 5.3                   | 22.6                    | C3D3L456+M0A*** |

备注 Note: 1. “+”表示容量偏差。 “+” = capacitance tolerance code, J=±5%, K=±10%.

2. “\*\*\*”表示引线加工和包装代码。 “\*\*\*” = lead form and packaging code.

3. 当“b=10.0mm”时,第12位代码为“1”;当“b=20.0mm”时,第12位代码为“3”;当“b=15.0mm”时,第12位代码为“4”。

When the b=10.0mm, the digit 12 is “1”; When the b=20.0mm, the digit 12 is “3”; When the b=15.0mm, the digit 12 is “4”.

4. “I<sub>max</sub>”是在f=10kHz, θ<sub>amb</sub>=70°C, Δθ<sub>case</sub>=15.0°C的最大电流有效值。

“I<sub>max</sub>” = Maximum r.m.s current at 10kHz, θ<sub>amb</sub>=70°C, Δθ<sub>case</sub>=15.0°C.

5. “★”表示外壳为圆弧底。“★” = Arc-bottom of the outer shell.

6. “ESR”为典型值。“ESR” are typical values.

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