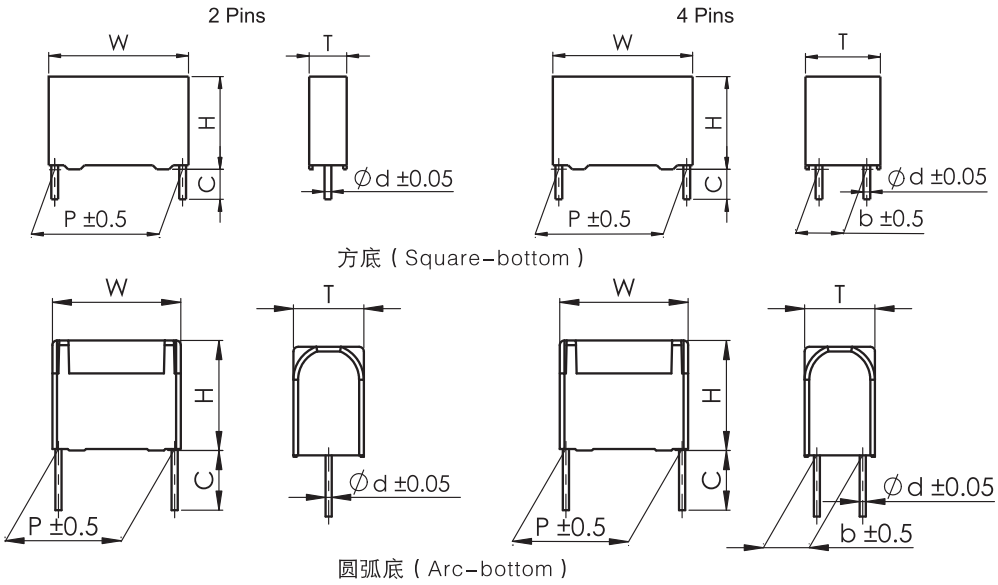
PCB用DC-Link电容器
DC-Link Capacitor for PCB

■ 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 ~ 3200Vdc，0.56μF~220μF，-40℃/85℃， 证书号(Certificate No.)：R 50266108
●		UL(美国)	UL 810(construtions only),max 5000Vdc,90℃ 证书号(File No.)：E256238，CCN:CZDS2

■ 技术要求 Specifications

引用标准	GB/T 17702（IEC 61071）
气候类别 Climatic Category	40/85/56
工作温度（外壳） Operating temperature（case）	-40℃ ~105℃ (+85℃ to +105℃ : decreasing factor 1.35% per ℃ for $U_{N,85℃}$)
额定电压 $U_{N,85℃}$	500Vdc,600Vdc,800Vdc,900Vdc,1 000Vdc,1 100Vdc,1 200Vdc
容量偏差 Capacitance Tolerance	J（±5%），K（±10%）
耐电压 Voltage Proof	1.5U_N (10s)
绝缘电阻 Insulation Resistance（IR × C_N）	⩾ 10 000s (20℃ ,100Vdc,1min)
自感 (L_s) Self Inductance(L_s)	< 1nH per mm of lead spacing
最大峰值电流 $\hat{I}$ (A) Maximum peak current $\hat{I}$ (A)	$\hat{I}$ =C • dV/dt
预期寿命 Expected lifetime	100 000h @ U_N，Θ_{hs}=70℃

产品编码说明　Part number code system

■ 18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	16	17	18
C	3	D															

第1~3位	型号代码 C3D	Digit 1 to 3	Series code C3D
第4~5位	直流额定电压 2H=500V 1U=600V 2K=800V 1X=900V 3A=1 000V 1M=1 100V 3L=1 200V	Digit 4 to 5	D.C. rated voltage 2H=500V 1U=600V 2K=800V 1X=900V 3A=1 000V 1M=1 100V 3L=1 200V
第6~8位	标称容量 举例: 105=10×10^5 pF= 1.0μF	Digit 6 to 8	Rated capacitance value For example : 105=10×10^5 pF= 1.0μF
第9位	容量等级 J=±5%,K=±10%	Digit 9	Capacitance tolerance J=±5%,K=±10%
第10位	引线间距P B=27.5 mm C=30.0mm F=37.5 mm M=52.5 mm	Digit10	Pitch B=27.5 mm C=30.0mm F=37.5 mm M=52.5 mm
第11位	内部特征码	Digit11	Internal use
第12~15位	引线加工和包装代码	Digit 12 to 15	Lead form and packaging code
第16~18位	内部特征码	Digit 16 to 18	Internal use

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

第 12 位 Digit 12		第 13 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 引线散装 Two pins(bulk)	C0	标准引线长度 5.5mm standard lead length 5.5mm	0	引线长度偏差 ±1.0mm Length tolerance ±1.0mm
1	4 引线散装 four pins(bulk) b=10.0mm	38	引线长度 3.8mm lead length 3.8mm	2	引线长度偏差 ±0.5mm Length tolerance ±0.5mm
2	4 引线散装 four pins(bulk) b=12.7mm				
3	4 引线散装 four pins(bulk) b=20.0mm				
4	4 引线散装 four pins(bulk) b=15.0mm				
A	4 引线散装 four pins(bulk) b=20.3mm				
B	4 引线散装 four pins(bulk) b=10.2mm				
C	4 引线散装 four pins(bulk) b=5.1mm				
D	4 引线散装 four pins(bulk) b=15.2mm				

■ 技术参数 Technical data（mm）

$U_{N,85℃}$: 500Vdc												
C_N (μF)	W ± 1.0	H ± 1.0	T ± 1.0	P ± 0.5	b ± 0.5	d ± 0.05	dV/dt (V/μs)	tan δ × (10^{-4})		ESR @10kHz (mΩ)	I_{max} (A)	Part number
								1kHz	10kHz			
5.0	32.0	20.0	11.0	27.5	–	0.8	65	10	100	8.5	5.0	C3D2H505+B00+++***
10.0	32.0	24.5	15.0	27.5	–	0.8	65	10	100	7.5	6.5	C3D2H106+B00+++***
22.0	32.0	37.0	22.0	27.5	–	0.8	65	10	100	5.0	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	3.0	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+++***

$U_{N,85℃}$: 600Vdc												
C_N (μF)	W ± 1.0	H ± 1.0	T ± 1.0	P ± 0.5	b ± 0.5	d ± 0.05	dV/dt (V/μs)	tan δ × (10^{-4})		ESR @10kHz (mΩ)	I_{max} (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+++***
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+F00+++***
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+F02+++***
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+++***

■ 技术参数 Technical data（mm）

$U_{N,85℃}$：600Vdc												
C_N (μF)	W ± 1.0	H ± 1.0	T ± 1.0	P ± 0.5	b ± 0.5	d ± 0.05	dV/dt (V/μs)	tan δ ×(10^{-4})		ESR @10kHz (mΩ)	I_{max} (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+F0A+++***
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+F0A+++***
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+F0A+++***
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+M02+++***
45.0	57.0	45.0	25.0	52.5	12.7	1.2	15	36	350	8.7	13.8	C3D1U456+M02+++***
50.0	57.0	45.0	25.0	52.5	12.7	1.2	15	36	350	7.8	15.4	C3D1U506+M02+++***
55.0	57.0	43.5	29.5	52.5	12.7	1.2	15	36	350	7.1	16.9	C3D1U556+M02+++***
55.0	57.0	43.5	29.5	52.5	20.3	1.2	15	36	350	7.1	16.9	C3D1U556+M0A+++***
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+M02+++***
65.0	57.0	50.0	35.0	52.5	20.3	1.2	15	36	350	6.0	20.0	C3D1U656+M0A+++***
70.0	57.0	50.0	35.0	52.5	20.3	1.2	15	36	350	5.6	21.5	C3D1U706+M0A+++***
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+M0A+++***
90.0	57.0	55.0	45.0	52.5	20.3	1.2	15	36	350	4.6	25.8	C3D1U906+M0A+++***
95.0	57.0	55.0	45.0	52.5	20.3	1.2	15	36	350	4.4	27.3	C3D1U956+M0A+++**
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+M0A+++***
140.0	57.0	65.0	45.0	52.5	20.3	1.2	15	36	350	3.0	35.0	C3D1U147+M0A+++***

$U_{N,85℃}$：800Vdc												
C_N (μF)	W ± 1.0	H ± 1.0	T ± 1.0	P ± 0.5	b ± 0.5	d ± 0.05	dV/dt (V/μs)	tan δ ×(10^{-4})		ESR @10kHz (mΩ)	I_{max} (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+B00+++***
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+++***

■ 技术参数 Technical data（mm）

$U_{N,85℃}$：800Vdc												
C_N (μF)	W ± 1.0	H ± 1.0	T ± 1.0	P ± 0.5	b ± 0.5	d ± 0.05	dV/dt (V/μs)	tan δ ×(10^{-4}) 1kHz	tan δ ×(10^{-4}) 10kHz	ESR @10kHz (mΩ)	I_{max} (A)	Part number
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+B00+++***
11.0	32.0	37.0	22.0	27.5	10.2	0.8	65	10	95	8.3	16.0	C3D2K116+B0B+++***
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+++***
8.0	41.0	30.0	16.0	37.5	–	1.0	30	18	160	22.3	5.4	C3D2K805+F00+++***
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+++***
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+F0A+++***
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+F0A+++***
★ 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+M02+++***
30.0	57.0	45.0	25.0	52.5	12.7	1.2	15	33	320	11.9	10.1	C3D2K306+M02+++***
★ 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+++***
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+M0A+++***
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+M0A+++***
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+M0A+++***
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+++***

■ 技术参数 Technical data（mm）

$U_{N,85℃}$：900Vdc												
C_N (μF)	W ± 1.0	H ± 1.0	T ± 1.0	P ± 0.5	b ± 0.5	d ± 0.05	dV/dt (V/μs)	tan δ ×(10^{-4})		ESR @10kHz (mΩ)	I_{max} (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+B00+++***
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+F00+++***
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	33.0	18.0	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+F02+++***
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+F0A+++***
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+F0A+++***
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+M0B+++***
20.0	57.0	45.0	25.0	52.5	12.7	1.2	15	31	300	16.7	7.2	C3D1X206+M02+++***
25.0	57.0	45.0	25.0	52.5	12.7	1.2	15	31	300	13.4	9.0	C3D1X256+M02+++***
30.0	57.0	43.5	29.5	52.5	12.7	1.2	15	31	300	11.1	10.8	C3D1X306+M02+++***
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+M02+++***
35.0	57.0	43.5	29.5	52.5	20.3	1.2	15	31	300	9.6	12.6	C3D1X356+M0A+++***
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+M0A+++***
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+M0A+++***
60.0	57.0	55.0	45.0	52.5	20.3	1.2	15	31	300	5.6	21.5	C3D1X606+M0A+++***
65.0	57.0	55.0	45.0	52.5	20.3	1.2	15	31	300	5.1	23.3	C3D1X656+M0A+++***
70.0	57.0	65.0	45.0	52.5	20.3	1.2	15	31	300	4.8	25.1	C3D1X706+M0A+++***
75.0	57.0	65.0	45.0	52.5	20.3	1.2	15	31	300	4.7	25.7	C3D1X756+M0A+++***
80.0	57.0	65.0	45.0	52.5	20.3	1.2	15	31	300	4.5	26.8	C3D1X806+M0A+++***
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）

$U_{N,85℃}$: 1 000Vdc												
C_N (μF)	W ± 1.0	H ± 1.0	T ± 1.0	P ± 0.5	b ± 0.5	d ± 0.05	dV/dt (V/μs)	tan δ × (10^{-4})		ESR @10kHz (mΩ)	I_{max} (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+F00+++***
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	33.0	18.0	37.5	–	1.0	37	15	140	22.3	5.4	C3D3A705+F00+++***
8.0	41.0	33.0	18.0	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+F0A+++***
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+M02+++***
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+M02+++***
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+M0A+++***
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+M0A+++***
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+++***

■ 技术参数 Technical data（mm）

$U_{N,85℃}$: 1 100Vdc												
C_N (μF)	W ± 1.0	H ± 1.0	T ± 1.0	P ± 0.5	b ± 0.5	d ± 0.05	dV/dt (V/μs)	tan δ × (10^{-4})		ESR @10kHz (mΩ)	I_{max} (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	C3D1M205+B00+++***
★ 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+F00+++***
4.0	41.0	30.0	16.0	37.5	–	1.0	40	15	130	36.2	3.3	C3D1M405+F00+++***
4.7	41.0	33.5	18.5	37.5	–	1.0	40	15	130	30.8	3.9	C3D1M475+F00+++***
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+F00+++***
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+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+F0A+++***
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+M0A+++***
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+M0A+++***
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+M0A+++***

■ 技术参数 Technical data（mm）

$U_{N,85℃}$: 1 200Vdc												
C_N (μF)	W ± 1.0	H ± 1.0	T ± 1.0	P ± 0.5	b ± 0.5	d ± 0.05	dV/dt (V/μs)	tan δ × (10^{-4})		ESR @10kHz (mΩ)	I_{max} (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+F0B+++***
8.0	42.0	44.0	24.0	37.5	12.7	1.0	45	13	100	13.9	8.6	C3D3L805+F02+++***
9.0	42.0	44.0	24.0	37.5	12.7	1.0	45	13	100	12.4	9.7	C3D3L905+F02+++***
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+F02+++***
12.0	42.0	45.0	30.0	37.5	20.3	1.2	45	13	100	9.3	12.9	C3D3L126+F0A+++***
15.0	42.0	50.0	35.0	37.5	20.3	1.2	45	13	100	7.4	16.1	C3D3L156+F0A+++***
18.0	42.0	50.0	35.0	37.5	20.3	1.2	45	13	100	6.6	18.1	C3D3L186+F0A+++***
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+F0A+++***
12.0	57.0	45.0	25.0	52.5	12.7	1.2	23	24	200	19.9	6.0	C3D3L126+M02+++***
15.0	57.0	45.0	25.0	52.5	12.7	1.2	23	24	200	15.9	7.5	C3D3L156+M02+++***
20.0	57.0	43.5	29.5	52.5	12.7	1.2	23	24	200	11.9	10.0	C3D3L206KM02+++***
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. “***”表示内部特征码。“***”= Internal use.
4. 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 “2”. When the b=15.0mm, the digit 12 is “4”.
5. “I_{max}”是在f=10kHz, Θ_{amb}=70℃, △Θ_{case}=15.0℃的最大电流有效值。
“I_{max}”=Maximum r.m.s current at 10kHz, Θ_{amb}=70℃, △Θ_{case}=15.0℃.
6. “★”表示外壳为圆弧底。“★” = Arc–bottom of the outer shell.