

DC-Link capacitor for PCB

DC-Link 电容器 (PCB)

■ 引用标准 reference standards

GB/T17702, IEC 61071

■ 结构

- 介质: 聚丙烯膜
- 电极: 特殊工艺金属真空蒸发层
- 封装: 阻燃环氧树脂, 符合 UL94 V-0
- 外壳: 阻燃 PBT 塑壳, 符合 UL94 V-0
- 引脚: 镀锡铜引线

■ 典型应用

- 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)

■ 特点

- 外观一致性好; 有良好自愈性; 抗湿性强; 能承受脉冲大电流; 寿命长; 耐过电压优良。

■ 符合 ROHS 标准 conform to ROHS standards

■ structure

- Dielectric: Polypropylene film
- Electrode: special craft metal vacuum evaporation layer
- Encapsulation: inflame retardant epoxy resin, conforming to UL94 V-0.
- Shell: inflame retardant PBT plastic shell, conforming to UL94 V-0
- Lead foot: tinned copper wire

■ typical application

- High property DC filter application occasion (such as: frequency converter, industry and high-end power source, solar inverter)

■ characteristics

- Good appearance consistency, good self-healing property, good humidity resistance. It can withstand large pulse current with long lifetime and excellent ability to withstand overvoltage.

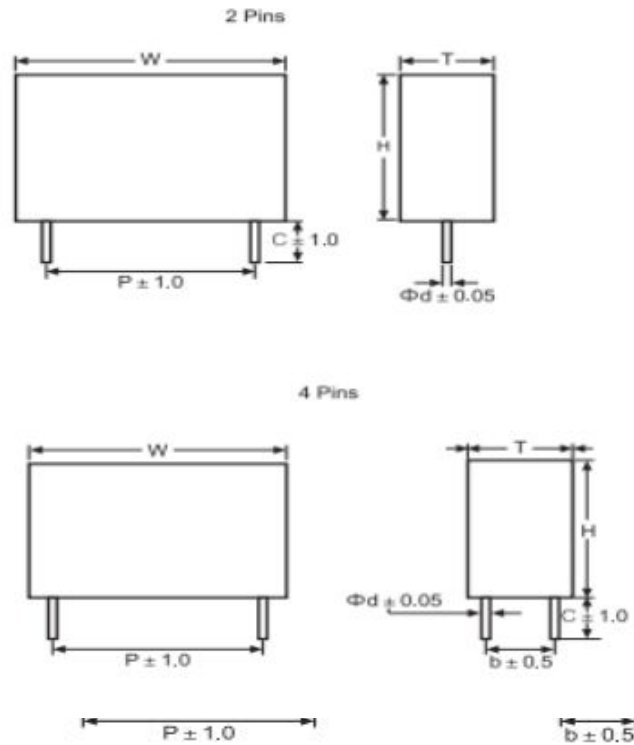
■ 技术参数 technical parameter

气候类别 Climatic Category	40/85/56
工作温度 (外壳) Operating Temperature Range(case)	-40℃~105℃ (+85℃ to 105℃: decreasing factor 1.35% per °C for U_R)
额定电压 rated voltage	500Vdc, 600Vdc, 800Vdc, 900Vdc, 1000Vdc, 1100Vdc, 1200Vdc
电容量范围 Capacitance Range	5.0μF ~ 140μF
电容量偏差 Capacitance Tolerance	J (±5%)、K (±10%)
耐电压 Voltage Proof	1.5 U_R (10S)
绝缘电阻 Insulation resistance	≥10000S (20℃, 100V, 1min)
最大峰值电流 Maximum peak current (A)	$\hat{I} = C \cdot dV/dt$
自感 self-inductance (L_s)	<1nH 每 mm 引线间距 (per mm of lead spacing)
预期寿命 Expected lifetime	≥100 000h@ U_R $\theta_{hs}=70^\circ\text{C}$
注: 可根据客户使用定制容量产品, 具体参数依据承认书资料为准。 Note: Products capacitance can be customized, specific parameter according to documents.	

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■外形图 Outline Diagram



■ C3D 产品编码规则 C3D product coding principle

■ 16 位产品代码规定如下: 16-digit product code is specified as follows:



■ 各部分组成内容 Composition and content of various parts

■ 型号代码 (第 1~3 位数) type code (1th to 3th digit)

■ C3D DC-Link 电容器 PCB

C3D DC-Link capacitor PCB

■ 标称容量 (第 4~6 位数) Nominal capacitance (4th to 6th digit)

例如 e.g.: 104 = $10 \times 10^4 \text{ pF} = 0.1 \mu\text{F}$

■ 标容量误差代码 (第 7 位数) Nominal capacitance tolerance code (7th digit)

例如 e.g.: J = $\pm 5\%$ K = $\pm 10\%$

■ 额定电压 (第 8~9 位数) rated voltage: (8th to 9th digit)

2H = 500Vdc 2P = 600Vdc 2K = 800Vdc 2L = 900Vdc 3A = 1000Vdc 3Y = 1100Vdc 3M = 1200Vdc

■ 塑壳代码 (第 10~11 位数) plastic code (10th to 11th digit)

塑壳代码 Plastic case code	塑壳尺寸 Plastic case dimension W*T*H	塑壳代码 Plastic case code	塑壳尺寸 Plastic case dimension W*T*H	塑壳代码 Plastic case code	塑壳尺寸 Plastic case dimension W*T*H	塑壳代码 Plastic case code	塑壳尺寸 Plastic case dimension W*T*H
F0	31.5*9.0*18.0	F1	31.5*10.8*19.5	F2	31.5*13.0*21.5	F3	31.0*14.0*25.0
F4	31.5*16.0*25.5	F5	31.5*16.0*30.0	F6	31.0*18.0*33.0	FA	31.5*22.0*37.0
FD	31.5*14.0*28.0	S3	41.5*16.0*30.0	S6	41.5*22.0*37.0	SA	41.5*20.0*40.0
SC	41.5*24.0*36.0	SD	41.5*24.0*44.0	S9	42.0*30.0*45.0	SF	41.5*35.0*50.0
SH	41.5*40.0*55.0	SK	41.5*45.0*60.0	H3	57.0*25.0*45.0	H4	57.0*29.5*43.5
H5	57.0*35.0*45.0	H8	57.0*45.0*55.0	H9	57.0*45.0*65.0		

备注: 使用涉及到和极限参数有关问题请与圣融达联系

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■ (SRD 商标 / 塑壳颜色) (第 12 位数) internal recognition code (12th digit)

■ (线径) (第 13 位数) internal recognition code (13th digit)

■ 引线加工和包装代码 (14~16) 见表 1 所示

Lead process and package code (13th~15th digit), see table one:

第 14 位 14 th digit			第 15~16 位 15 th to 16 th digit	
代码 code	内容说明 Content explanation		代码 code	内容说明
1	4 条引线 4 lead	b=15.0mm	35	引线 lead L=3.5±0.5mm
2	4 条引线 4 lead	b=10.0mm	38	引线 lead L=3.8±0.5mm
3	4 条引线 4 lead	b=12.7mm	40	引线 lead L=4.0±0.5mm
4	4 条引线 4 lead	b=20.0mm	45	引线 lead L=4.5±0.5mm
5	4 条引线 4 lead	b=20.3mm	50	引线 lead L=5.0±0.5mm
6	4 条引线 4 lead	b=10.2mm	55	引线 lead L=5.5±0.5mm
7	4 条引线 4 lead	b=5.10mm	60	引线 lead L=6.0±0.5mm
8	4 条引线 4 lead	b=15.2mm	65	引线 lead L=6.5±0.5mm

■ 技术参数 Technical data (mm)

Un,85℃:500Vdc										
CN (μF)	Part number	Dimension (mm) ±1.0			P ± 0.5	b ± 0.5	d ±0.05	dv/dt (V/us)	ESR @10KHZ (mΩ)	Imax 10KHZ@70℃ (A)
		W	T	H						
5.0	C3D505J2HF1**0==	31.5	10.8	19.5	27.5	-	0.8	30	8.5	5.0
10.0	C3D106J2HF3**0==	31.5	14.0	25.0	27.5	-	0.8	30	7.5	6.5
22.0	C3D226J2HFA**0==	31.5	22.0	37.0	27.5	-	0.8	30	5.0	10.0
30.0	C3D306J2HSA**6==	41.5	20.0	40.0	37.5	10.2	1.0	30	8.0	12.5
35.0	C3D356J2HSC**6==	41.5	24.0	36.0	37.5	10.2	1.0	30	8.0	13.5
40.0	C3D406J2HS7**6==	41.5	26.0	41.0	37.5	10.2	1.0	30	5.0	14.5
50.0	C3D506J2HS8**5==	41.5	28.0	43.0	37.5	20.3	1.2	30	4.0	16.0
60.0	C3D606J2HS9**5==	42.0	30.0	45.0	37.5	20.3	1.2	30	3.0	16.5
75.0	C3D756J2HH4**3==	57.0	29.5	43.5	52.5	12.7	1.2	30	5.5	16.0
75.0	C3D756J2HH4**5==	57.0	29.5	43.5	52.5	20.3	1.2	30	5.5	16.0
80.0	C3D806J2HH4**5==	57.0	29.5	43.5	52.5	20.3	1.2	30	5.0	16.5
90.0	C3D906J2HH6**5==	57.0	35.0	50.0	52.5	20.3	1.2	30	4.0	18.0
100.0	C3D107J2HH6**5==	57.0	35.0	50.0	52.5	20.3	1.2	30	4.0	18.0
110.0	C3D117J2HH6**5==	57.0	35.0	50.0	52.5	20.3	1.2	30	4.0	19.0

Un,85℃:600Vdc										
CN (μF)	Part number	Dimension (mm) ±1.0			P ± 0.5	b ± 0.5	d ±0.05	dv/dt (V/us)	ESR @10KHZ (mΩ)	Imax 10KHZ@70℃ (A)
		W	T	H						
2.0	C3D205J2PF0**0==	31.5	9.0	18.0	27.5	-	0.8	75	47.8	2.8
3.0	C3D305J2PF1**0==	31.5	10.8	19.5	27.5	-	0.8	75	31.8	4.1
4.0	C3D405J2PF1**0==	31.5	10.8	19.5	27.5	-	0.8	75	23.9	5.5
5.0	C3D505J2PF2**0==	31.5	13.0	21.5	27.5	-	0.8	75	19.1	6.9

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6.0	C3D605J2PF3**0==	31.5	14.0	25.0	27.5	-	0.8	75	18.6	7.1
7.0	C3D705J2PF3**0==	31.5	14.0	25.0	27.5	-	0.8	75	15.9	8.3
8.0	C3D805J2PFD**0==	31.5	14.0	28.0	27.5	-	0.8	75	13.9	9.5
9.0	C3D905J2PF5**0==	31.5	16.0	30.0	27.5	-	0.8	75	12.4	10.7
10.0	C3D106J2PF5**0==	31.5	16.0	30.0	27.5	-	0.8	75	11.1	11.8
12.0	C3D126J2PF6**0==	31.5	18.0	33.0	27.5	-	0.8	75	10.8	12.0
12.0	C3D126J2PF6**6==	31.5	18.0	30.0	27.5	10.2	0.8	75	9.3	14.2
15.0	C3D156J2PFA**0==	31.5	22.0	37.0	27.5	-	0.8	75	9.0	12.0
15.0	C3D156J2PFA**6==	31.5	22.0	37.0	27.5	10.2	0.8	75	7.4	17.8
18.0	C3D186J2PFA**0==	31.5	22.0	37.0	27.5	-	0.8	75	8.0	12.0
18.0	C3D186J2PFA**3==	31.5	22.0	37.0	27.5	12.7	1.0	75	6.2	21.3
10.0	C3D106J2PS3**0==	41.5	16.0	30.0	37.5	-	1.0	40	19.5	6.2
12.0	C3D126J2PS3**0==	41.5	16.0	30.0	37.5	-	1.0	40	16.3	7.4
15.0	C3D156J2PS5**0==	41.5	18.5	33.5	37.5	-	1.0	40	13.0	9.2
20.0	C3D206J2PSA**6==	41.5	20.0	40.0	37.5	10.2	1.0	40	9.8	12.3
22.0	C3D226J2PSA**6==	41.5	20.0	40.0	37.5	10.2	1.0	40	8.9	13.5
25.0	C3D256J2PSA**3==	41.5	20.0	40.0	37.5	12.7	1.0	40	7.8	15.4
30.0	C3D306J2PSD**3==	41.5	24.0	44.0	37.5	12.7	1.0	40	6.5	18.5
35.0	C3D356J2PS9**3==	42.0	30.0	45.0	37.5	12.7	1.2	40	6.0	20.1
35.0	C3D356J2PS9**5==	42.0	30.0	45.0	37.5	20.3	1.2	40	6.0	20.1
40.0	C3D406J2PS9**3==	42.0	30.0	45.0	37.5	12.7	1.2	40	5.2	23.0
40.0	C3D406J2PS9**5==	42.0	30.0	45.0	37.5	20.3	1.2	40	5.2	23.0
45.0	C3D456J2PSF**3==	41.5	35.0	50.0	37.5	12.7	1.2	40	4.6	25.8
45.0	C3D456J2PSF**5==	41.5	35.0	50.0	37.5	20.3	1.2	40	4.6	25.8
50.0	C3D506J2PSF**5==	41.5	35.0	50.0	37.5	20.3	1.2	40	4.2	28.7
55.0	C3D556J2PSF**5==	41.5	35.0	50.0	37.5	20.3	1.2	40	3.8	31.6
60.0	C3D606J2PSH**5==	41.5	40.0	55.0	37.5	20.3	1.2	40	3.5	34.5
65.0	C3D656J2PSH**5==	41.5	40.0	55.0	37.5	20.3	1.2	40	3.2	37.3
70.0	C3D706J2PSH**5==	41.5	40.0	55.0	37.5	20.3	1.2	40	3.0	40.2
75.0	C3D756J2PSK**5==	41.5	45.0	60.0	37.5	20.3	1.2	40	2.8	43.1
80.0	C3D806J2PSK**5==	41.5	45.0	60.0	37.5	20.3	1.2	40	2.6	45.9
85.0	C3D856J2PSK**5==	41.5	45.0	60.0	37.5	20.3	1.2	40	2.5	48.8
40.0	C3D406J2PH3**3==	57.0	25.0	45.0	52.5	12.7	1.2	20	9.8	12.3
45.0	C3D456J2PH3**3==	57.0	25.0	45.0	52.5	12.7	1.2	20	8.7	13.8
50.0	C3D506J2PH3**3==	57.0	25.0	45.0	52.5	12.7	1.2	20	7.8	15.4
55.0	C3D506J2PH4**3==	57.0	29.5	43.5	52.5	12.7	1.2	20	7.1	16.9
55.0	C3D556J2PH4**5==	57.0	29.5	43.5	52.5	20.3	1.2	20	7.1	16.9
60.0	C3D606J2PH4**3==	57.0	29.5	43.5	52.5	12.7	1.2	20	6.5	18.5
60.0	C3D606J2PH4**5==	57.0	29.5	43.5	52.5	20.3	1.2	20	6.5	18.5
65.0	C3D656J2PH6**3==	57.0	35.0	50.0	52.5	12.7	1.2	20	6.0	20.0
65.0	C3D656J2PH6**5==	57.0	35.0	50.0	52.5	20.3	1.2	20	6.0	20.0
70.0	C3D706J2PH6**5==	57.0	35.0	50.0	52.5	20.3	1.2	20	5.6	21.5
75.0	C3D756J2PH6**5==	57.0	35.0	50.0	52.5	20.3	1.2	20	5.2	23.1

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80.0	C3D806J2PH6**5==	57.0	35.0	50.0	52.5	20.3	1.2	20	4.9	24.6
85.0	C3D856J2PH8**5==	57.0	45.0	55.0	52.5	20.3	1.2	20	4.8	25.1
90.0	C3D906J2PH8**5==	57.0	45.0	55.0	52.5	20.3	1.2	20	4.6	25.8
95.0	C3D956J2PH8**5==	57.0	45.0	55.0	52.5	20.3	1.2	20	4.4	27.3
100.0	C3D107J2PH8**5==	57.0	45.0	55.0	52.5	20.3	1.2	20	4.2	28.7
110.0	C3D117J2PH8**5==	57.0	45.0	55.0	52.5	20.3	1.2	20	3.8	31.6
120.0	C3D127J2PH9**5==	57.0	45.0	65.0	52.5	20.3	1.2	20	3.5	34.5
130.0	C3D137J2PH9**5==	57.0	45.0	65.0	52.5	20.3	1.2	20	3.2	37.3
140.0	C3D147J2PH9**5==	57.0	45.0	65.0	52.5	20.3	1.2	20	3.0	40.2

Un,85°C:800Vdc										
CN (μF)	Part number	Dimension (mm) ±1.0			P ± 0.5	b ± 0.5	d ±0.05	dv/dt (V/us)	ESR @10KHZ (mΩ)	Imax 10KHZ@70°C (A)
		W	T	H						
2.0	C3D205J2KF0**0==	31.5	9.0	18.0	27.5	-	0.8	65	45.4	2.9
3.0	C3D305J2KF1**0==	31.5	10.8	19.5	27.5	-	0.8	65	30.3	4.4
3.3	C3D335J2KF5**0==	31.5	16.0	30.0	27.5	-	0.8	65	18.8	7.0
4.0	C3D405J2KF3**0==	31.0	14.0	25.0	27.5	-	0.8	65	22.7	5.8
5.0	C3D505J2KF3**0==	31.0	14.0	25.0	27.5	-	0.8	65	18.2	7.3
6.0	C3D605J2KF5**0==	31.5	16.0	30.0	27.5	-	0.8	65	15.1	8.7
7.0	C3D705J2KF5**0==	31.5	16.0	30.0	27.5	-	0.8	65	13.0	10.2
8.0	C3D805J2KF6**0==	31.0	18.0	33.0	27.5	-	0.8	65	12.5	10.5
8.0	C3D805J2KF6**6==	31.0	18.0	33.0	27.5	10.2	0.8	65	11.3	11.6
9.0	C3D905J2KF6**0==	31.0	18.0	33.0	27.5	-	0.8	65	11.1	11.8
9.0	C3D905J2KF6**6==	31.0	18.0	33.0	27.5	10.2	0.8	65	10.1	13.1
10.0	C3D106J2KFA**0==	31.5	22.0	37.0	27.5	-	0.8	65	11.0	12.0
10.0	C3D106J2KFA**6==	31.5	22.0	37.0	27.5	10.2	0.8	65	9.1	14.5
11.0	C3D116J2KFA**0==	31.5	22.0	37.0	27.5	-	0.8	65	10.0	12.0
11.0	C3D116J2KFA**6==	31.5	22.0	37.0	27.5	10.2	0.8	65	8.3	16.0
12.0	C3D126J2KFA**0==	31.5	22.0	37.0	27.5	-	0.8	65	9.3	12.0
12.0	C3D126J2KFA**6==	31.5	22.0	37.0	27.5	10.2	0.8	65	7.6	16.0
13.0	C3D136J2KFA**0==	31.5	22.0	37.0	27.5	-	0.8	65	8.8	12.0
13.0	C3D136J2KFA**3==	31.5	22.0	37.0	27.5	12.7	0.8	65	8.1	16.2
14.0	C3D146J2KFA**0==	31.5	22.0	37.0	27.5	-	0.8	65	8.2	12.0
14.0	C3D146J2KFA**3==	31.5	22.0	37.0	27.5	12.7	0.8	65	7.6	17.5
8.0	C3D805J2KS3**0==	41.5	16.0	30.0	37.5	-	1.0	30	22.3	5.4
9.0	C3D905J2KS3**0==	41.5	16.0	30.0	37.5	-	1.0	30	19.8	6.1
10.0	C3D106J2KS5**0==	41.5	18.5	33.5	37.5	-	1.0	30	17.8	6.7
12.0	C3D126J2KS5**0==	41.5	18.5	43.5	37.5	-	1.0	30	14.9	8.1
15.0	C3D156J2KSA**6==	41.5	20.0	40.0	37.5	10.2	1.0	30	11.9	10.1
20.0	C3D206J2KSD**3==	41.5	24.0	44.0	37.5	12.7	1.0	30	8.9	13.5
25.0	C3D256J2KSD**3==	41.5	24.0	44.0	37.5	12.7	1.0	30	7.1	16.8

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30.0	C3D306J2KS9**3==	42.0	30.0	45.0	37.5	12.7	1.2	30	5.9	20.2
30.0	C3D306J2KS9**5==	42.0	30.0	45.0	37.5	20.3	1.2	30	5.9	20.2
35.0	C3D356J2KSF**5==	41.5	35.0	50.0	37.5	20.3	1.2	30	5.5	22.0
40.0	C3D406J2KSF**5==	41.5	35.0	50.0	37.5	20.3	1.2	30	4.8	25.1
45.0	C3D456J2KSH**5==	41.5	40.0	55.0	37.5	20.3	1.2	30	4.2	28.3
50.0	C3D506J2KSH**5==	41.5	40.0	55.0	37.5	20.3	1.2	30	3.8	31.4
55.0	C3D556J2KSK**5==	41.5	45.0	60.0	37.5	20.3	1.2	30	3.5	34.5
60.0	C3D606J2KSK**5==	41.5	45.0	60.0	37.5	20.3	1.2	30	3.2	37.7
65.0	C3D656J2KSK**5==	41.5	45.0	60.0	37.5	20.3	1.2	30	2.9	40.8
25.0	C3D256J2KH3**3==	57.0	25.0	45.0	52.5	12.7	1.2	15	14.3	8.4
30.0	C3D306J2KH3**3==	57.0	25.0	45.0	52.5	12.7	1.2	15	11.9	10.1
35.0	C3D356J2KH3**3==	57.0	25.0	45.0	52.5	12.7	1.2	15	10.2	11.8
40.0	C3D406J2KH4**3==	57.0	29.5	43.5	52.5	12.7	1.2	15	8.9	13.5
40.0	C3D406J2KH4**5==	57.0	29.5	43.5	52.5	20.3	1.2	15	8.9	13.5
45.0	C3D456J2KH4**3==	57.0	29.5	43.5	52.5	12.7	1.2	15	7.9	15.1
45.0	C3D456J2KH4**5==	57.0	29.5	43.5	52.5	20.0	1.2	15	7.9	15.1
50.0	C3D506J2KH6**3==	57.0	35.0	50.0	52.5	12.7	1.2	15	7.1	16.8
50.0	C3D506J2KH6**5==	57.0	35.0	50.0	52.5	20.3	1.2	15	7.1	16.8
55.0	C3D556J2KH6**5==	57.0	35.0	50.0	52.5	20.3	1.2	15	6.5	18.5
60.0	C3D606J2KH6**5==	57.0	35.0	50.0	52.5	20.3	1.2	15	5.9	20.2
65.0	C3D656J2KH8**5==	57.0	45.0	55.0	52.5	20.3	1.2	15	5.5	21.9
70.0	C3D706J2KH8**5==	57.0	45.0	55.0	52.5	20.3	1.2	15	5.1	23.6
75.0	C3D756J2KH8**5==	57.0	45.0	55.0	52.5	20.3	1.2	15	4.8	25.2
80.0	C3D806J2KH8**5==	57.0	45.0	55.0	52.5	20.3	1.2	15	4.6	25.9
85.0	C3D856J2KH8**5==	57.0	45.0	55.0	52.5	20.3	1.2	15	4.5	26.7
90.0	C3D906J2KH8**5==	57.0	45.0	55.0	52.5	20.3	1.2	15	4.2	28.3
95.0	C3D956J2KH9**5==	57.0	45.0	65.0	52.5	20.3	1.2	15	4.0	29.8
100.0	C3D107J2KH9**5==	57.0	45.0	65.0	52.5	20.3	1.2	15	3.8	31.4
110.0	C3D117J2KH9**5==	57.0	45.0	65.0	52.5	20.3	1.2	15	3.5	34.5

Un,85℃:900Vdc										
CN (μF)	Part number	Dimension (mm) ±1.0			P ± 0.5	b ± 0.5	d ±0.05	dv/dt (V/us)	ESR @10KHZ (mΩ)	Imax 10KHZ@70℃ (A)
		W	T	H						
1.0	C3D105J2LF0**0==	31.5	9.0	18.0	27.5	-	0.8	70	86.0	1.5
2.0	C3D205J2LF1**0==	31.5	10.8	19.5	27.5	-	0.8	70	43.0	3.1
3.0	C3D305J2LF2**0==	31.5	13.0	21.5	27.5	-	0.8	70	28.7	4.6
4.0	C3D405J2LF3**0==	31.0	14.0	25.0	27.5	-	0.8	70	21.5	6.1
5.0	C3D505J2LF5**0==	31.5	16.0	30.0	27.5	-	0.8	70	17.2	7.7
6.0	C3D605J2LF6**0==	31.0	18.0	33.0	27.5	-	0.8	70	18.0	6.9
6.0	C3D605J2LF6**6==	31.0	18.0	33.0	27.5	10.2	0.8	70	14.3	9.2
7.0	C3D705J2LF6**0==	31.0	18.0	33.0	27.5	-	0.8	70	13.0	10.2

备注：使用涉及到和极限参数有关问题请与圣融达联系

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DC-Link capacitor for PCB

DC-Link 电容器 (PCB)

7.0	C3D705J2LF6**6==	31.0	18.0	33.0	27.5	10.2	0.8	70	12.3	10.7
8.0	C3D805J2LFA**0==	31.5	22.0	37.0	27.5	-	0.8	70	11.5	11.4
8.0	C3D805J2LFA**6==	31.5	22.0	37.0	27.5	10.2	0.8	70	10.7	12.3
9.0	C3D905J2LFA**0==	31.5	22.0	37.0	27.5	-	0.8	70	10.4	12.0
9.0	C3D905J2LFA**3==	31.5	22.0	37.0	27.5	12.7	0.8	70	9.6	13.8
10.0	C3D106J2LFA**0==	31.5	22.0	37.0	27.5	-	0.8	70	12.0	12.2
10.0	C3D106J2LFA**3==	31.5	22.0	37.0	27.5	12.7	0.8	70	8.6	15.4
4.7	C3D475J2LS2**0==	41.5	14.0	28.0	37.5	-	1.0	35	35.6	3.4
5.0	C3D505J2LS3**0==	41.5	16.0	30.0	37.5	-	1.0	35	33.4	3.6
6.0	C3D605J2LS3**0==	41.5	16.0	30.0	37.5	-	1.0	35	27.9	4.3
7.0	C3D705J2LS3**0==	41.5	16.0	30.0	37.5	-	1.0	35	23.9	5.0
8.0	C3D805J2LS5**0==	41.5	18.5	33.5	37.5	-	1.0	35	20.9	5.7
10.0	C3D106J2LSA**6==	41.5	20.0	40.0	37.5	10.2	1.0	35	16.7	7.2
12.0	C3D126J2LS6**6==	41.5	22.0	37.0	37.5	10.2	1.0	35	13.9	8.6
15.0	C3D156J2LSD**3==	41.5	24.0	44.0	37.5	12.7	1.0	35	11.1	10.8
18.0	C3D186J2LSD**3==	41.5	24.0	44.0	37.5	12.7	1.0	35	9.3	12.9
20.0	C3D206J2LSD**3==	41.5	24.0	44.0	37.5	12.7	1.0	35	8.4	14.4
25.0	C3D256J2LS9**3==	42.0	30.0	45.0	37.5	12.7	1.2	35	6.7	17.9
25.0	C3D256J2LS9**5==	42.0	30.0	45.0	37.5	20.3	1.2	35	6.7	17.9
30.0	C3D306J2LSF**5==	41.5	35.0	50.0	37.5	20.3	1.2	35	5.6	21.5
35.0	C3D356J2LSH**5==	41.5	40.0	55.0	37.5	20.3	1.2	35	5.1	23.4
40.0	C3D406J2LSH**5==	41.5	40.0	55.0	37.5	20.3	1.2	35	4.5	26.8
45.0	C3D456J2LSK**5==	41.5	45.0	60.0	37.5	20.3	1.2	35	4.0	30.1
50.0	C3D506J2LSK**5==	41.5	45.0	60.0	37.5	20.3	1.2	35	3.6	33.5
15.0	C3D156J2LH3**6==	57.0	25.0	45.0	52.5	10.2	1.2	15	22.3	5.4
20.0	C3D206J2LH3**3==	57.0	25.0	45.0	52.5	12.7	1.2	15	16.7	7.2
25.0	C3D256J2LH3**3==	57.0	25.0	45.0	52.5	12.7	1.2	15	13.4	9.0
30.0	C3D306J2LH4**3==	57.0	29.5	43.5	52.5	12.7	1.2	15	11.1	10.8
30.0	C3D306J2LH4**5==	57.0	29.5	43.5	52.5	20.3	1.2	15	11.1	10.8
35.0	C3D356J2LH4**3==	57.0	29.5	43.5	52.5	12.7	1.2	15	9.6	12.6
35.0	C3D356J2LH4**5==	57.0	29.5	43.5	52.5	20.3	1.2	15	9.6	12.6
40.0	C3D406J2LH6**5==	57.0	35.0	50.0	52.5	20.3	1.2	15	8.4	14.4
45.0	C3D456J2LH6**5==	57.0	35.0	50.0	52.5	20.3	1.2	15	7.4	16.1
50.0	C3D506J2LH6**5==	57.0	35.0	50.0	52.5	20.3	1.2	15	6.7	17.9
55.0	C3D556J2LH8**5==	57.0	45.0	55.0	52.5	20.3	1.2	15	6.1	19.7
60.0	C3D606J2LH8**5==	57.0	45.0	55.0	52.5	20.3	1.2	15	5.6	21.5
65.0	C3D656J2LH8**5==	57.0	45.0	55.0	52.5	20.3	1.2	15	5.1	23.3
70.0	C3D706J2LH9**5==	57.0	45.0	65.0	52.5	20.3	1.2	15	4.8	25.1
75.0	C3D756J2LH9**5==	57.0	45.0	65.0	52.5	20.3	1.2	15	4.7	25.7
80.0	C3D806J2LH9**5==	57.0	45.0	65.0	52.5	20.3	1.2	15	4.5	26.8
85.0	C3D856J2LH9**5==	57.0	45.0	65.0	52.5	20.3	1.2	15	4.2	28.5

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DC-Link capacitor for PCB

DC-Link 电容器 (PCB)

Un,85°C:1000Vdc										
CN (μF)	Part number	Dimension (mm) ±1.0			P ± 0.5	b ± 0.5	d ±0.05	dv/dt (V/us)	ESR @10KHZ (mΩ)	Imax 10KHZ@70℃ (A)
		W	T	H						
1.0	C3D105J3AF0**0==	31.5	9.0	18.0	27.5	-	0.8	75	76.4	1.7
2.0	C3D205J3AF2**0==	31.5	13.0	21.5	27.5	-	0.8	75	38.2	3.5
3.0	C3D305J3AF3**0==	31.5	14.0	25.0	27.5	-	0.8	75	25.5	5.2
4.0	C3D405J3AF5**0==	31.5	16.0	30.0	27.5	-	0.8	75	19.1	6.9
5.0	C3D505J3AF6**0==	31.5	18.0	33.0	27.5	-	0.8	75	15.3	8.6
6.0	C3D605J3AF6**0==	31.5	18.0	33.0	27.5	-	0.8	75	14.9	8.9
7.0	C3D705J3AFA**0==	31.5	22.0	37.0	27.5	-	0.8	75	14.5	9.4
7.0	C3D705J3AFA**3==	31.5	22.0	37.0	27.5	12.7	0.8	75	11.4	11.6
8.0	C3D805J3AFA**0==	31.5	22.0	37.0	27.5	-	0.8	75	13.0	10.8
8.0	C3D805J3AFA**3==	31.5	22.0	37.0	27.5	12.7	0.8	75	10.0	13.3
5.0	C3D505J3AS3**0==	41.5	16.0	30.0	37.5	-	1.0	37	31.2	3.8
6.0	C3D605J3AS3**0==	41.5	16.0	30.0	37.5	-	1.0	37	26.0	4.6
7.0	C3D705J3AS5**0==	41.5	18.5	33.5	37.5	-	1.0	37	22.3	5.4
8.0	C3D805J3AS5**0==	41.5	18.5	33.5	37.5	-	1.0	37	19.5	6.2
10.0	C3D106J3ASA**6==	41.5	20.0	40.0	37.5	10.2	1.0	37	15.6	7.7
12.0	C3D126J3AS6**0==	41.5	22.0	37.0	37.5	-	1.0	37	13.0	9.2
12.0	C3D126J3AS6**3==	41.5	22.0	37.0	37.5	12.7	1.0	37	15.0	8.0
15.0	C3D156J3ASD**3==	41.5	24.0	44.0	37.5	12.7	1.0	37	10.4	11.5
18.0	C3D186J3AS9**3==	42.0	30.0	45.0	37.5	12.7	1.2	37	8.7	13.8
18.0	C3D186J3AS9**5==	42.0	30.0	45.0	37.5	20.3	1.2	37	8.7	13.8
20.0	C3D206J3AS9**3==	42.0	30.0	45.0	37.5	12.7	1.2	37	7.8	15.4
20.0	C3D206J3AS9**5==	42.0	30.0	45.0	37.5	20.3	1.2	37	7.8	15.4
25.0	C3D256J3ASF**5==	41.5	35.0	50.0	37.5	20.3	1.2	37	6.2	19.2
30.0	C3D306J3ASH**5==	41.5	40.0	55.0	37.5	20.3	1.2	37	5.2	23.1
35.0	C3D356J3ASH**5==	41.5	40.0	55.0	37.5	20.3	1.2	37	4.8	25.1
40.0	C3D406J3ASK**5==	41.5	45.0	60.0	37.5	20.3	1.2	37	4.2	28.7
15.0	C3D156J3AH3**3==	57.0	25.0	45.0	52.5	12.7	1.2	17	20.8	5.8
20.0	C3D206J3AH3**3==	57.0	25.0	45.0	52.5	12.7	1.2	17	15.6	7.7
25.0	C3D256J3AH3**3==	57.0	25.0	45.0	52.5	12.7	1.2	17	12.5	9.6
30.0	C3D306J3AH4**3==	57.0	29.5	43.5	52.5	12.7	1.2	17	10.4	11.5
30.0	C3D306J3AH4**5==	57.0	29.5	43.5	52.5	20.3	1.2	17	10.4	11.5
35.0	C3D356J3AH6**5==	57.0	35.0	50.0	52.5	20.3	1.2	17	8.9	13.5
40.0	C3D406J3AH6**5==	57.0	35.0	50.0	52.5	20.3	1.2	17	7.8	15.4
45.0	C3D456J3AH8**5==	57.0	45.0	55.0	52.5	20.3	1.2	17	6.9	17.3
50.0	C3D506J3AH8**5==	57.0	45.0	55.0	52.5	20.3	1.2	17	6.2	19.2
55.0	C3D556J3AH8**5==	57.0	45.0	55.0	52.5	20.3	1.2	17	5.7	21.1
60.0	C3D606J3AH9**5==	57.0	45.0	65.0	52.5	20.3	1.2	17	5.2	23.1
65.0	C3D656J3AH9**5==	57.0	45.0	65.0	52.5	20.3	1.2	17	4.8	25.0
70.0	C3D706J3AH9**5==	57.0	45.0	65.0	52.5	20.3	1.2	17	4.5	26.9

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DC-Link capacitor for PCB

DC-Link 电容器 (PCB)

Un,85℃:1100Vdc										
CN (μF)	Part number	Dimension (mm) ±1.0			P ± 0.5	b ± 0.5	d ±0.05	dv/dt (V/us)	ESR @10KHZ(mΩ)	Imax 10KHZ @70℃(A)
		W	T	H						
0.68	C3D684J3YF1**0==	31.5	10.8	19.5	27.5	-	0.8	80	80.0	1.7
1.0	C3D105J3YF1**0==	31.5	10.8	19.5	27.5	-	0.8	80	59.4	2.2
1.5	C3D155J3YF2**0==	31.5	13.0	21.5	27.5	-	0.8	80	55.7	2.4
2.0	C3D205J3YF3**0==	31.0	14.0	25.0	27.5	-	0.8	80	27.9	4.7
3.0	C3D305J3YF5**0==	31.5	16.0	30.0	27.5	-	0.8	80	15.3	8.6
3.3	C3D335J3YF6**0==	31.0	18.0	33.0	27.5	-	0.8	80	15.3	8.6
4.0	C3D405J3YF6**0==	31.0	18.0	33.0	27.5	-	0.8	80	15.3	8.6
5.0	C3D505J3YFA**0==	31.5	22.0	37.0	27.5	-	0.8	80	14.0	9.8
5.0	C3D505J3YFA**6==	31.5	22.0	37.0	27.5	10.2	0.8	80	12.3	10.8
6.0	C3D605J3YFA**0==	31.5	22.0	37.0	27.5	-	0.8	80	12.3	10.8
6.0	C3D605J3YFA**6==	31.5	22.0	37.0	27.5	10.2	0.8	80	10.2	12.9
3.0	C3D305J3YS3**0==	41.5	16.0	30.0	37.5	-	1.0	40	48.3	2.5
4.0	C3D405J3YS3**0==	41.5	16.0	30.0	37.5	-	1.0	40	36.2	3.3
4.7	C3D475J3YS5**6==	41.5	18.5	33.5	37.5	10.2	1.0	40	30.8	3.9
5.0	C3D505J3YS5**0==	41.5	18.5	33.5	37.5	-	1.0	40	29.0	4.1
6.0	C3D605J3YS5**0==	41.5	18.5	33.5	37.5	-	1.0	40	24.2	5.0
7.0	C3D705J3YSA**6==	41.5	20.0	40.0	37.5	10.2	1.0	40	20.7	5.8
8.0	C3D805J3YS6**6==	41.5	22.0	37.0	37.5	10.2	1.0	40	18.1	6.6
9.0	C3D905J3YS6**3==	41.5	22.0	37.0	37.5	12.7	1.0	40	16.1	7.5
10.0	C3D106J3YSD**3==	41.5	24.0	44.0	37.5	12.7	1.0	40	14.5	8.3
12.0	C3D126J3YSD**0==	41.5	24.0	44.0	37.5	-	1.0	40	12.1	9.9
12.0	C3D126J3YSD**3==	41.5	24.0	44.0	37.5	12.7	1.0	40	14.0	8.6
15.0	C3D156J3YS9**3==	42.0	30.0	45.0	37.5	12.7	1.2	40	9.7	12.4
15.0	C3D156J3YS9**5==	42.0	30.0	45.0	37.5	20.3	1.2	40	9.7	12.4
18.0	C3D186J3YSF**5==	41.5	35.0	50.0	37.5	20.3	1.2	40	8.1	14.9
20.0	C3D206J3YSF**5==	41.5	35.0	50.0	37.5	20.3	1.2	40	7.2	16.6
25.0	C3D256J3YSH**5==	41.5	40.0	55.0	37.5	20.3	1.2	40	5.8	20.7
30.0	C3D306J3YSK**5==	41.5	45.0	60.0	37.5	20.3	1.2	40	4.8	24.8
15.0	C3D156J3YH3**3==	57.0	25.0	45.0	52.5	12.7	1.2	20	19.3	6.2
20.0	C3D206J3YH4**3==	57.0	29.5	43.5	52.5	12.7	1.2	20	14.5	8.3
20.0	C3D206J3YH4**5==	57.0	29.5	43.5	52.5	20.3	1.2	20	14.5	8.3
25.0	C3D256J3YH6**5==	57.0	35.0	50.0	52.5	20.3	1.2	20	11.6	10.4
30.0	C3D306J3YH6**5==	57.0	35.0	50.0	52.5	20.3	1.2	20	9.7	12.4
35.0	C3D356J3YH8**5==	57.0	45.0	55.0	52.5	20.3	1.2	20	8.4	14.3
40.0	C3D406J3YH8**5==	57.0	45.0	55.0	52.5	20.3	1.2	20	7.8	15.5
45.0	C3D456J3YH8**5==	57.0	45.0	55.0	52.5	20.3	1.2	20	6.9	17.4
50.0	C3D506J3YH9**5==	57.0	45.0	65.0	52.5	20.3	1.2	20	6.2	19.3
55.0	C3D556J3YH9**5==	57.0	45.0	65.0	52.5	20.3	1.2	20	5.6	21.3

备注：使用涉及到和极限参数有关问题请与圣融达联系

Note: Any questions related to the parameters using, please contact Sincerity.

<http://www.srdkj.com>

DC-Link capacitor for PCB
DC-Link 电容器 (PCB)

Un,85℃:1200Vdc										
CN (μF)	Part number	Dimension (mm) ±1.0			P ± 0.5	b ± 0.5	d ±0.05	dv/dt (V/us)	ESR @10KHZ (mΩ)	Imax 10KHZ@70℃ (A)
		W	T	H						
1.0	C3D105J3MF1**0==	31.5	10.8	19.5	27.5	-	0.8	90	52.5	2.5
1.5	C3D155J3MF3**0==	31.0	14.0	25.0	27.5	-	0.8	90	26.3	5.0
2.0	C3D205J3MF3**0==	31.0	14.0	25.0	27.5	-	0.8	90	26.3	5.0
3.0	C3D305J3MF5**0==	31.5	16.0	30.0	27.5	-	0.8	90	17.5	7.5
3.5	C3D355J3MF5**0==	31.5	16.0	30.0	27.5	-	0.8	90	13.9	9.5
4.0	C3D405J3MF6**0==	31.0	18.0	33.0	27.5	-	0.8	90	13.9	9.5
5.0	C3D505J3MFA**0==	31.5	22.0	37.0	27.5	-	0.8	90	12.7	10.4
5.0	C3D505J3MFA**6==	31.5	22.0	37.0	27.5	10.2	0.8	90	11.1	11.8
3.0	C3D305J3MS3**0==	41.5	16.0	30.0	37.5	-	1.0	45	37.2	3.2
4.0	C3D405J3MS3**0==	41.5	16.0	30.0	37.5	-	1.0	45	27.9	4.3
5.0	C3D505J3MS5**0==	41.5	18.5	33.5	37.5	-	1.0	45	22.3	5.4
6.0	C3D605J3MSA**0==	41.5	20.0	40.0	37.5	-	1.0	45	18.6	6.5
7.0	C3D705J3MS6**6==	41.5	22.0	37.0	37.5	10.2	1.0	45	15.9	7.5
8.0	C3D805J3MSD**3==	41.5	24.0	44.0	37.5	12.7	1.0	45	13.9	8.6
9.0	C3D905J3MSD**3==	41.5	24.0	44.0	37.5	12.7	1.0	45	12.4	9.7
10.0	C3D106J3MSD**3==	41.5	24.0	44.0	37.5	12.7	1.0	45	11.1	10.8
12.0	C3D126J3MS9**3==	42.0	30.0	45.0	37.5	12.7	1.2	45	9.3	12.9
12.0	C3D126J3MS9**5==	42.0	30.0	45.0	37.5	20.3	1.2	45	9.3	12.9
15.0	C3D156J3MSF**5==	41.5	35.0	50.0	37.5	20.3	1.2	45	7.4	16.1
18.0	C3D186J3MSF**5==	41.5	35.0	50.0	37.5	20.3	1.2	45	6.6	18.1
20.0	C3D206J3MSH**5==	41.5	40.0	55.0	37.5	20.3	1.2	45	6.0	20.1
25.0	C3D256J3MSK**5==	41.5	45.0	60.0	37.5	20.3	1.2	45	4.8	25.1
12.0	C3D126J3MH3**3==	57.0	25.0	45.0	52.5	12.7	1.2	23	19.9	6.0
15.0	C3D156J3MH3**3==	57.0	25.0	45.0	52.5	12.7	1.2	23	15.9	7.5
20.0	C3D206J3MH4**3==	57.0	29.5	43.5	52.5	12.7	1.2	23	11.9	10.0
20.0	C3D206J3MH4**5==	57.0	29.5	43.5	52.5	20.3	1.2	23	11.9	10.0
25.0	C3D256J3MH6**5==	57.0	35.0	50.0	52.5	20.3	1.2	23	9.6	12.6
30.0	C3D306J3MH8**5==	57.0	45.0	55.0	52.5	20.3	1.2	23	8.0	15.1
35.0	C3D356J3MH8**5==	57.0	45.0	55.0	52.5	20.3	1.2	23	6.8	17.6
40.0	C3D406J3MH9**5==	57.0	45.0	65.0	52.5	20.3	1.2	23	6.0	20.1
45.0	C3D456J3MH9**5==	57.0	45.0	65.0	52.5	20.3	1.2	23	5.3	22.6

备注 Note: 1. “*”表示内部识别码。“*” stands for internal recognition code.

2. “=”表示引线加工和包装代码见表 1 所示。stands for lead process and package code, see table one.

3. “Imax”测试条件：环境温度 70℃，频率为 10KHz，外壳温度达到 85℃下的有效值。“Imax”test conditions: ambient temperature 70℃, frequency 10KHz, shell temperature reaching the valid value below 85℃.

4. “ESR”, “Ls”均为典型值测试数据。“ESR”and “Ls” are both typical value test data.

5. “I”^表示最大冲击电流。“Is”^stands for maximum pulse current.

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