

CJE

**RoHS
2.0**

C61 PCB 用金属化薄膜滤波电容器

Metallized Film Capacitors for PCB filtering

系列 Series: LBB61

日期 Date: 2023-04

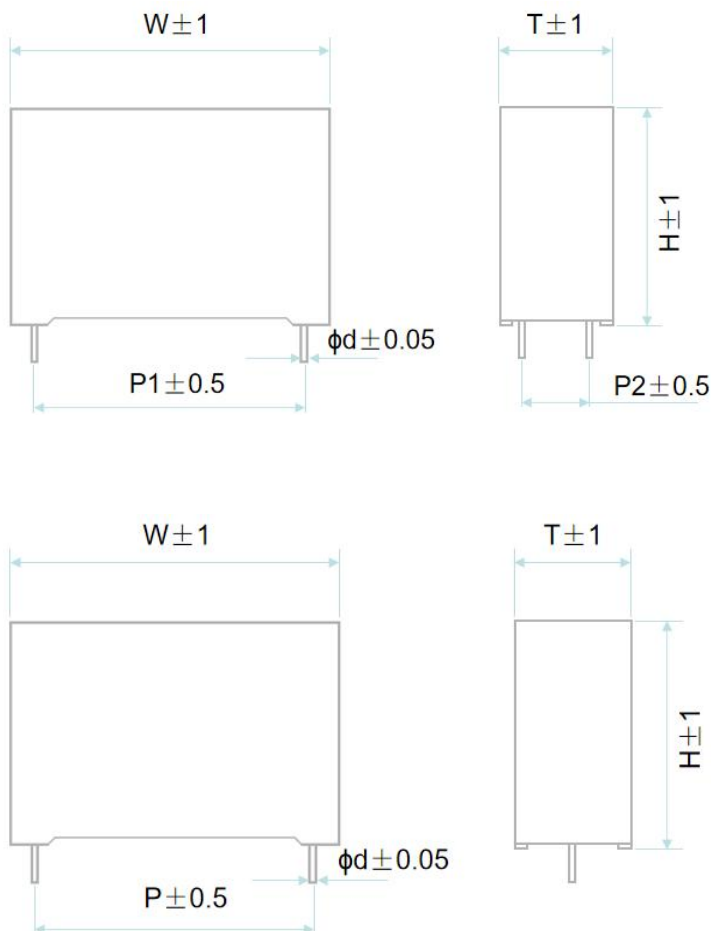
典型应用 Typical application

- 变频器 Frequency converters
- 光伏逆变器 Solar inverters
- 工业及高端电源 Industrial and high-end power supplies
- 车载电源及车载充电器 xEV power supplies and chargers

特点 Features

- 金属化聚丙烯膜结构 Metallized polypropylene film
- 塑料外壳 (UL94 V-0) Plastic case(UL94 V-0)
- 高性能树脂灌封 High performance epoxy resin sealing
- 低损耗并且耐大电流 Low losses with high current capability
- 满足 RoHS2.0 要求 RoHS2.0 compatible
- 2 针或 4 针引线端子 2 or 4 pins lead wire

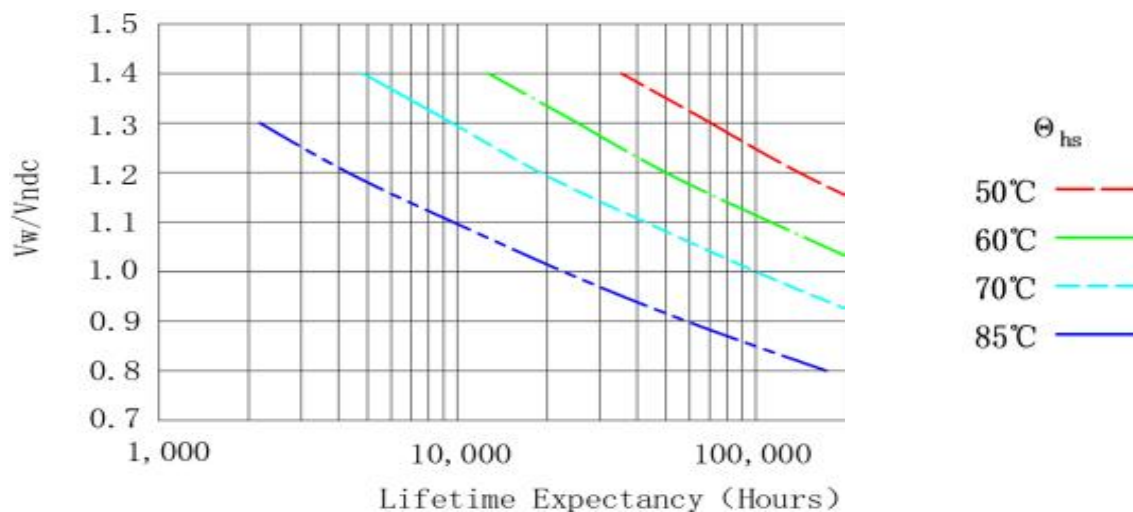
外形图 Outline drawing



技术要求 Technical specifications

引用标准 Reference standards	GB/T 17702 (IEC 61071), AEC-Q200
工作温度 Operating temperature (case)	-40°C~105°C (+85°C~105°C, decreasing factor: 1.35%/°C)
额定工作电压 $U_{N,85°C}$ Rated Voltage $U_{N,85°C}$	500Vdc~1200Vdc
容量偏差 Capacitance tolerance	J(±5%), K(±10%)
端子间耐压 U_{TT} Voltage proof between terminals U_{TT}	1.5 U_N @10S
绝缘电阻 Insulation resistance ($IR \times C_N$)	$IR \geq 10000S$ @500Vdc, 60s, 20°C
自感(Ls) Self inductance(Ls)	< 1nH/mm of lead spacing @1MHz
最大峰值电流 \hat{I} (A) Maximum peak current \hat{I} (A)	$\hat{I} = C \times dv/dt$
预期寿命 Expected lifetime	100,000h @ U_N , $\theta_{hs} = 70°C$

预估寿命曲线 Expected lifetime



产品编码说明: Part number system

■ 16 位产品代码如下: The 16 digits part number is formed as follow:

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
C	6	1	1	6	3	D	7	1	0	J	0	F	B	0	0

第 1~3 位	型号代码 C61=LBB61	Digit 1 to 3	Series code C61=LBB61
第 4~6 位	额定电压 举例: 163=10 ¹ ×63V=630V 212=10 ² ×12V=1200V	Digit 4 to 6	Rated voltage For example: 163=10 ¹ ×63V=630V 212=10 ² ×12V=1200V
第 7 位	电压类型 A=AC, D=DC	Digit 7	Voltage type A=AC, D=DC
第 8~10 位	额定容量 举例: 650=10 ⁶ ×50pF=50μF	Digit 8 to 10	Rated capacitance For example: 650=10 ⁶ ×50pF=50μF
第 11 位	容量偏差 J=±5%, K=±10%	Digit 11	Capacitance tolerance J=±5%, K=±10%
第 12 位	引线数量 0=2pins, 1=4pins	Digit 12	Number of pins 0=2pins, 1=4pins

■ 内部识别码 Internal use

第 13 位 Digit 13		第 14 位 Digit 14		第 15 位 Digit 15		第 16 位 Digit 16	
代码 Code	说明 explanation	代码 Code	说明 explanation	代码 Code	说明 explanation	代码 Code	说明 explanation
D	P=27.5mm	0	无 None	0	引线长 5.5mm lead length 5.5mm	0	引线长度偏差± 1.0mm Lead length tolerance± 1.0mm
F	P=37.5mm	A	P1=5.1mm				
M	P=52.5mm	B	P1=10.2mm	1	引线长 3.8mm lead length 3.8mm		
		C	P1=12.7mm				
		D	P1=20.3mm	8	引线长度 8mm lead length 8mm		

技术参数 Technical data

U _{N,85°C} : 500VDC												
C _N (μF)	W ±1.0	H ±1.0	T ±1.0	P ±0.5	P1 ±0.5	d ±0.05	dv/dt (V/μs)	tanδ×(10 ⁻⁴)		ESR @10kHz (mΩ)	I _{rms} A	Part number
								1kHz	10kHz			
5	32	20	11	27.5	/	0.8	65	10	100	8.5	5	C61150D550*0D0**
10	32	24.5	15	27.5	/	0.8	65	10	100	7.5	6.5	C61150D610*0D0**
22	32	37	22	27.5	/	0.8	65	10	100	5.0	10	C61150D622*0D0**
30	42	40	20	37.5	10.2	1.0	65	15	150	8.0	12.5	C61150D630*1FB**
35	42	36	24	37.5	10.2	1.0	30	15	150	8.0	13.5	C61150D635*1FB**
40	42	37	28	37.5	10.2	1.0	30	15	150	5.0	14.5	C61150D640*1FB**
50	42	45	30	37.5	20.3	1.2	30	15	150	4.0	16	C61150D650*1FD**
60	42	45	30	37.5	20.3	1.2	30	15	150	3.0	16.5	C61150D660*1FD**
75	57	45	30	52.5	20.3	1.2	15	35	350	5.5	16	C61150D675*1MD**
80	57	45	30	52.5	20.3	1.2	15	35	350	5.0	16.5	C61150D680*1MD**
100	57	50	35	52.5	20.3	1.2	15	35	350	4.0	18	C61150D710*1MD**
110	57	50	35	52.5	20.3	1.2	15	35	350	4.0	19	C61150D710*1MD**
U _{N,85°C} : 600VDC												
C _N (μF)	W ±1.0	H ±1.0	T ±1.0	P ±0.5	P1 ±0.5	d ±0.05	dv/dt (V/μs)	tanδ×(10 ⁻⁴)		ESR @10kHz (mΩ)	I _{rms} A	Part number
								1kHz	10kHz			
2	32	18	9	27.5	/	0.8	65	11	100	47.8	2.8	C61160D520*0D0**
3	32	20	11	27.5	/	0.8	65	11	100	31.8	4.1	C61160D530*0D0**
4	32	20	11	27.5	/	0.8	65	11	100	23.9	5.5	C61160D540*0D0**
5	32	22	13	27.5	/	0.8	65	11	100	19.1	6.9	C61160D550*0D0**
6	32	24.5	15	27.5	/	0.8	65	11	100	18.6	7.1	C61160D560*0D0**
7	32	24.5	15	27.5	/	0.8	65	11	100	15.9	8.3	C61160D570*0D0**
8	32	28	14	27.5	/	0.8	65	11	100	13.9	9.5	C61160D580*0D0**
9	32	30	16	27.5	/	0.8	65	11	100	12.4	10.7	C61160D590*0D0**
10	32	30	16	27.5	/	0.8	65	11	100	11.1	11.0	C61160D610*0D0**
12	32	33	18	27.5	/	0.8	65	11	100	10.8	12.0	C61160D612*0D0**
15	32	37	22	27.5	10.2	0.8	65	11	100	7.4	16.5	C61160D615*1DB**
18	32	37	22	27.5	10.2	0.8	65	11	100	6.2	17.0	C61160D618*1DC**
20	42	40	20	37.5	10.2	1.0	30	20	175	9.8	12.3	C61160D620*1FB**
22	42	40	20	37.5	10.2	1.0	30	20	175	8.9	13.5	C61160D622*1FB**
25	42	40	20	37.5	10.2	1.0	30	20	175	7.8	15.4	C61160D625*1FB**
30	42	44	24	37.5	10.2	1.0	30	20	175	6.5	18.5	C61160D630*1FB**
35	42	45	30	37.5	20.3	1.2	30	20	175	6.0	20.1	C61160D635*1FD**
40	42	45	30	37.5	20.3	1.2	30	20	175	5.2	23	C61160D640*1FD**
45	42	50	35	37.5	20.3	1.2	30	20	175	4.6	25.8	C61160D645*1FD**
50	42	50	35	37.5	20.3	1.2	30	20	175	4.2	28.7	C61160D650*1FD**
55	42	50	35	37.5	20.3	1.2	30	20	175	3.8	31.6	C61160D655*1FD**

U _{N,85°C} : 600VDC												
C _N (μF)	W ±1.0	H ±1.0	T ±1.0	P ±0.5	P1 ±0.5	d ±0.05	dv/dt (V/μs)	tanδ×(10 ⁻⁴)		ESR @10kHz (mΩ)	Irms A	Part number
								1kHz	10kHz			
60	42	55	40	37.5	20.3	1.2	30	20	175	3.5	34.5	C61160D660*1FD**
65	42	55	40	37.5	20.3	1.2	30	20	175	3.2	35.0	C61160D665*1FD**
70	42	55	40	37.5	20.3	1.2	30	20	175	3.0	35.0	C61160D670*1FD**
75	42	60	45	37.5	20.3	1.2	30	20	175	2.8	35.0	C61160D675*1FD**
80	42	60	45	37.5	20.3	1.2	30	20	175	2.6	35.0	C61160D680*1FD**
85	42	60	45	37.5	20.3	1.2	30	20	175	2.5	35.0	C61160D685*1FD**
55	57	45	30	52.5	20.3	1.2	15	36	350	7.1	16.9	C61160D655*1MD**
60	57	45	30	52.5	20.3	1.2	15	36	350	6.5	18.5	C61160D660*1MD**
65	57	50	35	52.5	20.3	1.2	15	36	350	6.0	20.0	C61160D665*1MD**
70	57	50	35	52.5	20.3	1.2	15	36	350	5.6	21.5	C61160D670*1MD**
75	57	50	35	52.5	20.3	1.2	15	36	350	5.2	23.1	C61160D675*1MD**
80	57	50	35	52.5	20.3	1.2	15	36	350	4.9	24.6	C61160D680*1MD**
85	57	55	45	52.5	20.3	1.2	15	36	350	4.8	25.1	C61160D685*1MD**
90	57	55	45	52.5	20.3	1.2	15	36	350	4.6	25.8	C61160D690*1MD**
95	57	55	45	52.5	20.3	1.2	15	36	350	4.4	27.3	C61160D695*1MD**
100	57	55	45	52.5	20.3	1.2	15	36	350	4.2	28.7	C61160D710*1MD**
110	57	55	45	52.5	20.3	1.2	15	36	350	3.8	31.6	C61160D711*1MD**
120	57	65	45	52.5	20.3	1.2	15	36	350	3.5	34.5	C61160D712*1MD**
130	57	65	45	52.5	20.3	1.2	15	36	350	3.2	35.0	C61160D713*1MD**
140	57	65	45	52.5	20.3	1.2	15	36	350	3.0	35.0	C61160D714*1MD**
U _{N,85°C} : 800VDC												
C _N (μF)	W ±1.0	H ±1.0	T ±1.0	P ±0.5	P1 ±0.5	d ±0.05	dv/dt (V/μs)	tanδ×(10 ⁻⁴)		ESR @10kHz (mΩ)	Irms A	Part number
								1kHz	10kHz			
2	32	18	9	27.5	/	0.8	65	10	95	45.4	2.9	C61180D520*0D0**
3	32	30	16	27.5	/	0.8	65	10	95	18.8	7	C61180D533*0D0**
4	32	25	13	27.5	/	0.8	65	10	95	22.7	5.8	C61180D540*0D0**
5	32	24.5	15	27.5	/	0.8	65	10	95	18.2	7.3	C61180D550*0D0**
6	32	30	16	27.5	/	0.8	65	10	95	15.1	8.7	C61180D560*0D0**
7	32	30	16	27.5	/	0.8	65	10	95	13.0	10.2	C61180D570*0D0**
8	32	33	18	27.5	/	0.8	65	10	95	12.5	10.5	C61180D580*0D0**
9	32	33	18	27.5	/	0.8	65	10	95	11.1	11.8	C61180D590*0D0**
10	32	37	22	27.5	10.2	0.8	65	10	95	9.1	14.5	C61180D610*1DB**
11	32	37	22	27.5	10.2	0.8	65	10	95	8.3	16	C61180D611*1DB**
12	32	37	22	27.5	10.2	0.8	65	10	95	7.6	16	C61180D612*1DB**
13	32	37	22	27.5	10.2	0.8	65	10	95	8.1	16.2	C61180D613*1DC**
14	32	37	22	27.5	10.2	0.8	65	10	95	7.6	16.5	C61180D614*1DC**

金属化薄膜直流滤波电容器

Metallized Film Capacitors for PCB filtering



LBB61

15	42	40	20	37.5	10.2	1.0	30	18	160	11.9	10.1	C61180D615*1FB**
20	42	44	24	37.5	10.2	1.0	30	18	160	8.9	13.5	C61180D620*1FB**
25	42	44	24	37.5	10.2	1.0	30	18	160	7.1	16.8	C61180D625*1FB**
30	42	45	30	37.5	20.3	1.2	30	18	160	5.9	20.2	C61180D630*1FD**
35	42	50	35	37.5	20.3	1.2	30	18	160	5.5	22	C61180D635*1FD**
40	42	50	35	37.5	20.3	1.2	30	18	160	4.8	25.1	C61180D640*1FD**
45	42	55	40	37.5	20.3	1.2	30	18	160	4.2	28.3	C61180D645*1FD**
50	42	55	40	37.5	20.3	1.2	30	18	160	3.8	31.4	C61180D650*1FD**
55	42	60	45	37.5	20.3	1.2	30	18	160	3.5	34.5	C61180D655*1FD**
60	42	60	45	37.5	20.3	1.2	30	18	160	3.2	35	C61180D660*1FD**
65	42	60	45	37.5	20.3	1.2	30	18	160	2.9	35	C61180D665*1FD**
50	57	50	35	52.5	20.3	1.2	15	33	320	7.1	16.8	C61180D650*1MD**
55	57	50	35	52.5	20.3	1.2	15	33	320	6.5	18.5	C61180D655*1MD**
60	57	50	35	52.5	20.3	1.2	15	33	320	5.9	20.2	C61180D660*1MD**
65	57	55	45	52.5	20.3	1.2	15	33	320	5.5	21.9	C61180D665*1MD**
70	57	55	45	52.5	20.3	1.2	15	33	320	5.1	23.6	C61180D670*1MD**
75	57	55	45	52.5	20.3	1.2	15	33	320	4.8	25.2	C61180D675*1MD**
80	57	55	45	52.5	20.3	1.2	15	33	320	4.6	25.9	C61180D680*1MD**
85	57	55	45	52.5	20.3	1.2	15	33	320	4.5	26.7	C61180D685*1MD**
90	57	55	45	52.5	20.3	1.2	15	33	320	4.2	28.3	C61180D690*1MD**
95	57	65	45	52.5	20.3	1.2	15	33	320	4.0	29.8	C61180D695*1MD**
100	57	65	45	52.5	20.3	1.2	15	33	320	3.8	31.4	C61180D710*1MD**
110	57	65	45	52.5	20.3	1.2	15	33	320	3.5	34.5	C61180D711*1MD**

U_{N,85°C} : 900VDC

C _N (μF)	W ±1.0	H ±1.0	T ±1.0	P ±0.5	P1 ±0.5	d ±0.05	dv/dt (V/μs)	tanδ×(10 ⁻⁴)		ESR @10kHz (mΩ)	I _{rms} A	Part number
								1kHz	10kHz			
1	32	18	9	27.5	/	0.8	70	9	90	86	1.5	C61190D510*0D0**
2	32	20	11	27.5	/	0.8	70	9	90	43	3.1	C61190D520*0D0**
3	32	22	13	27.5	/	0.8	70	9	90	28.7	4.6	C61190D530*0D0**
4	32	24.5	15	27.5	/	0.8	70	9	90	21.5	6.1	C61190D540*0D0**
5	32	30	16	27.5	/	0.8	70	9	90	17.2	7.7	C61190D550*0D0**
6	32	33	18	27.5	/	0.8	70	9	90	18	6.9	C61190D560*0D0**
7	32	33	18	27.5	/	0.8	70	9	90	13	10.2	C61190D570*0D0**
8	32	37	22	27.5	/	0.8	70	9	90	11.5	11.4	C61190D580*0D0**
9	32	37	22	27.5	/	0.8	70	9	90	10.4	12	C61190D590*0D0**
10	32	37	22	27.5	/	1.0	70	9	90	12	12.2	C61190D610*0D0**
12	42	40	20	37.5	10.2	1.0	35	17	150	13.9	8.6	C61190D612*1FB**
15	42	44	24	37.5	10.2	1.0	35	17	150	11.1	10.8	C61190D615*1FB**
18	42	44	24	37.5	10.2	1.0	35	17	150	9.3	12.9	C61190D618*1FB**
20	42	44	24	37.5	10.2	1.0	35	17	150	8.4	14.4	C61190D620*1FB**

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25	42	45	30	37.5	20.3	1.2	35	17	150	6.7	17.9	C61190D625*1FD**
30	42	50	35	37.5	20.3	1.2	35	17	150	5.6	21.5	C61190D630*1FD**
35	42	55	40	37.5	20.3	1.2	35	17	150	5.1	23.4	C61190D635*1FD**
40	42	55	40	37.5	20.3	1.2	35	17	150	4.5	26.8	C61190D640*1FD**
45	42	60	45	37.5	20.3	1.2	35	17	150	4.0	30.1	C61190D645*1FD**
50	42	60	45	37.5	20.3	1.2	35	17	150	3.6	33.5	C61190D650*1FD**
30	57	45	30	52.5	20.3	1.2	15	31	300	11.1	10.8	C61190D630*1MD**
35	57	45	30	52.5	20.3	1.2	15	31	300	9.6	12.6	C61190D635*1MC**
40	57	50	35	52.5	20.3	1.2	15	31	300	8.4	14.4	C61190D640*1MD**
45	57	50	35	52.5	20.3	1.2	15	31	300	7.4	16.1	C61190D645*1MD**
50	57	50	35	52.5	20.3	1.2	15	31	300	6.7	17.9	C61190D650*1MD**
55	57	55	45	52.5	20.3	1.2	15	31	300	6.1	19.7	C61190D655*1MD**
60	57	55	45	52.5	20.3	1.2	15	31	300	5.6	21.5	C61190D660*1MD**
65	57	55	45	52.5	20.3	1.2	15	31	300	5.1	23.3	C61190D665*1MD**
70	57	65	45	52.5	20.3	1.2	15	31	300	4.8	25.1	C61190D670*1MD**
75	57	65	45	52.5	20.3	1.2	15	31	300	4.7	25.7	C61190D675*1MD**
80	57	65	45	52.5	20.3	1.2	15	31	300	4.5	26.8	C61190D680*1MD**
85	57	65	45	52.5	20.3	1.2	15	31	300	4.2	28.5	C61190D685*1MD**

U_{N,85°C} : 1000VDC

C _N (μF)	W ±1.0	H ±1.0	T ±1.0	P ±0.5	P1 ±0.5	d ±0.05	dv/dt (V/μs)	tanδ×(10 ⁻⁴)		ESR @10kHz (mΩ)	Irms A	Part number
								1kHz	10kHz			
1	32	18	9	27.5	/	0.8	75	8	80	76.4	1.7	C61210D510*0D0**
2	32	22	13	27.5	/	0.8	75	8	80	38.2	3.5	C61210D520*0D0**
3	32	24.5	15	27.5	/	0.8	75	8	80	25.5	5.2	C61210D530*0D0**
4	32	30	16	27.5	/	0.8	75	8	80	19.1	6.9	C61210D540*0D0**
5	32	33	18	27.5	/	0.8	75	8	80	15.3	8.6	C61210D550*0D0**
6	32	33	18	27.5	/	0.8	75	8	80	14.9	8.9	C61210D560*0D0**
7	32	37	22	27.5	/	0.8	75	8	80	14.5	9.4	C61210D570*0D0**
8	32	37	22	27.5	/	0.8	75	8	80	13.0	10.8	C61210D580*0D0**
10	42	40	20	37.5	10.2	1.0	37	15	140	15.6	7.7	C61210D610*1FB**
15	42	44	24	37.5	10.2	1.0	37	15	140	10.4	11.5	C61210D615*1FB**
18	42	45	30	37.5	20.3	1.2	37	15	140	8.7	13.8	C61210D618*1FD**
20	42	45	30	37.5	20.3	1.2	37	15	140	7.8	15.4	C61210D620*1FD**
25	42	50	35	37.5	20.3	1.2	37	15	140	6.2	19.2	C61210D625*1FD**
30	42	55	40	37.5	20.3	1.2	37	15	140	5.2	23.1	C61210D630*1FD**
35	42	55	40	37.5	20.3	1.2	37	15	140	4.8	25.1	C61210D635*1FD**
40	42	60	45	37.5	20.3	1.2	37	15	140	4.2	28.7	C61210D640*1FD**
30	57	45	30	52.5	20.3	1.2	17	28	280	10.4	11.5	C61210D630*1MD**

金属化薄膜直流滤波电容器

Metallized Film Capacitors for PCB filtering



LBB61

35	57	50	35	52.5	20.3	1.2	17	28	280	8.9	13.5	C61210D635*1MD**
40	57	50	35	52.5	20.3	1.2	17	28	280	7.8	15.4	C61210D640*1MD**
45	57	55	45	52.5	20.3	1.2	17	28	280	6.9	17.3	C61210D645*1MD**
50	57	55	45	52.5	20.3	1.2	17	28	280	6.2	19.2	C61210D650*1MD**
55	57	55	45	52.5	20.3	1.2	17	28	280	5.7	21.1	C61210D655*1MD**
60	57	65	45	52.5	20.3	1.2	17	28	280	5.2	23.1	C61210D660*1MD**
65	57	65	45	52.5	20.3	1.2	17	28	280	4.8	25	C61210D665*1MD**
70	57	65	45	52.5	20.3	1.2	17	28	280	4.5	26.9	C61210D670*1MD**

U_{N,85°C} : 1100VDC

C _N (μF)	W ±1.0	H ±1.0	T ±1.0	P ±0.5	P1 ±0.5	d ±0.05	dv/dt (V/μs)	tanδ×(10 ⁻⁴)		ESR @10kHz (mΩ)	I _{rms} A	Part number
								1kHz	10kHz			
1.0	32	20	11	27.5	/	0.8	80	8	70	59.4	2.2	C61211D510*0D0**
2.0	32	25	13	27.5	/	0.8	80	8	70	27.9	4.7	C61211D520*0D0**
3.0	32	30	16	27.5	/	0.8	80	8	70	20.4	6.5	C61211D530*0D0**
4.0	32	33	18	27.5	/	0.8	80	8	70	15.3	8.6	C61211D540*0D0**
5.0	32	37	22	27.5	/	0.8	80	8	70	14.0	9.8	C61211D550*0D0**
6.0	32	37	22	27.5	/	0.8	80	8	70	12.3	10.8	C61211D560*0D0**
7.0	42	40	20	37.5	10.2	1.0	40	15	130	20.7	5.8	C61211D570*1FB**
8.0	42	37	22	37.5	10.2	1.0	40	15	130	18.1	6.6	C61211D580*1FB**
9.0	42	37	22	37.5	10.2	1.0	40	15	130	16.1	7.5	C61211D590*1FB**
10	42	44	24	37.5	10.2	1.0	40	15	130	14.5	8.3	C61211D610*1FB**
12	42	44	24	37.5	10.2	1.0	40	15	130	14.0	8.6	C61211D612*1FB**
15	42	45	30	37.5	20.3	1.2	40	15	130	9.7	12.4	C61211D615*1FD**
18	42	50	35	37.5	20.3	1.2	40	15	130	8.1	14.9	C61211D618*1FD**
20	42	50	35	37.5	20.3	1.2	40	15	130	7.2	16.6	C61211D620*1FD**
25	42	55	40	37.5	20.3	1.2	40	15	130	5.8	20.7	C61211D625*1FD**
30	42	60	45	37.5	20.3	1.2	40	15	130	4.8	24.8	C61211D630*1FD**
20	57	45	30	52.5	20.3	1.2	20	27	260	14.5	8.3	C61211D620*1MD**
25	57	50	35	52.5	20.3	1.2	20	27	260	11.6	10.4	C61211D625*1MD**
30	57	50	35	52.5	20.3	1.2	20	27	260	9.7	12.4	C61211D630*1MD**
35	57	55	45	52.5	20.3	1.2	20	27	260	8.4	14.3	C61211D635*1MD**
40	57	55	45	52.5	20.3	1.2	20	27	260	7.8	15.5	C61211D640*1MD**
45	57	55	45	52.5	20.3	1.2	20	27	260	6.9	17.4	C61211D645*1MD**
50	57	65	45	52.5	20.3	1.2	20	27	260	6.2	19.3	C61211D650*1MD**
55	57	65	45	52.5	20.3	1.2	20	27	260	5.6	21.3	C61211D655*1MD**

U_{N,85°C} : 1200VDC

C _N (μF)	W ±1.0	H ±1.0	T ±1.0	P ±0.5	P1 ±0.5	d ±0.05	dv/dt (V/μs)	tanδ×(10 ⁻⁴)		ESR @10kHz (mΩ)	I _{rms} A	Part number
								1kHz	10kHz			

金属化薄膜直流滤波电容器

Metallized Film Capacitors for PCB filtering



LBB61

1.0	32	20	11	27.5	/	0.8	90	7	55	39.5	3.5	C61212D510*0D0**
2.0	32	24.5	15	27.5	/	0.8	90	7	55	26.3	5	C61212D520*0D0**
3.0	32	30	16	27.5	/	0.8	90	7	55	17.5	7.5	C61212D530*0D0**
4.0	32	33	18	27.5	/	0.8	90	7	55	13.9	9.5	C61212D540*0D0**
5.0	32	37	22	27.5	/	0.8	90	7	55	12.7	10.4	C61212D550*0D0**
6.0	42	40	20	37.5	/	1.0	45	13	100	18.6	6.5	C61212D560*0F0**
7.0	41	37	22	37.5	10.2	1.0	45	13	100	15.9	7.5	C61212D570*1FB**
8.0	42	44	24	37.5	10.2	1.0	45	13	100	13.9	8.6	C61212D580*1FB**
9.0	42	44	24	37.5	10.2	1.0	45	13	100	12.4	9.7	C61212D590*1FB**
10	42	44	24	37.5	10.2	1.0	45	13	100	11.1	10.8	C61212D610*1FB**
12	42	45	30	37.5	20.3	1.2	45	13	100	9.3	12.9	C61212D612*1FD**
15	42	50	35	37.5	20.3	1.2	45	13	100	7.4	16.1	C61212D615*1FD**
18	42	50	35	37.5	20.3	1.2	45	13	100	6.6	18.1	C61212D618*1FD**
20	42	55	40	37.5	20.3	1.2	45	13	100	6.0	20.1	C61212D620*1FD**
25	42	60	45	37.5	20.3	1.2	45	13	100	4.8	25.1	C61212D625*1FD**
20	57	45	30	52.5	20.3	1.2	23	24	200	11.9	10	C61212D620*1MD**
25	57	50	35	52.5	20.3	1.2	23	24	200	9.6	12.6	C61212D625*1MD**
30	57	55	45	52.5	20.3	1.2	23	24	200	8.0	15.1	C61212D630*1MD**
35	57	55	45	52.5	20.3	1.2	23	24	200	6.8	17.6	C61212D635*1MD**
40	57	65	45	52.5	20.3	1.2	23	24	200	6.0	20.1	C61212D640*1MD**
45	57	65	45	52.5	20.3	1.2	23	24	200	5.3	22.6	C61212D640*1MD**