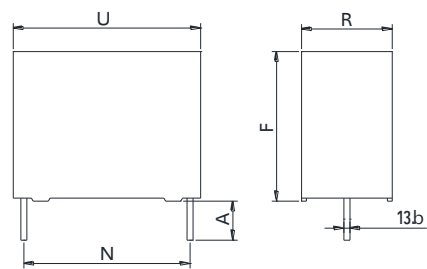
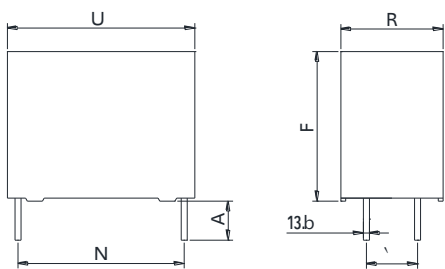


PCB 用 DC-Link 电容器
DC-Link Capacitor for PCB

■ 外形图 Outline Drawing(mm)



2 Pins



4 Pins



■ 特点

- 金属化聚丙烯薄膜或网状安全膜结构
- 塑料外壳，环氧树脂灌封
- 镀锡铜线或铜片引出

■ 主要用途

- 高性能直流滤波场合

■Features

- Metallized polypropylene or safe film structure
- Plastic case, filled with epoxy resin
- Tinned copper wires or copper sheet

■Typical Application

- High performance DC filtering applications

■ 技术要求 Specifications

引用标准 Reference Standard	IEC 61071 (GB/T 17702)
气候类别 Climatic Category	40/85/21
额定电压 Rated Voltage	500VDC ~ 2000VDC
容量范围 Capacitance range	1μF ~ 100μF
容量偏差 Capacitance Tolerance	J:±5%, K:±10%
介质损耗角正切 Dissipation factor tgδ d	≤0.0002 (50Hz, 20℃)
有效电流 Effective current	10A ~ 25A
脉冲能力 Withstand strike current ability	dv/dt > 50V/μs
杂散电感量 Stray inductance	< 30nH
绝缘电阻 Insulation Resistance	> 5 000s (20℃, 100V, 1min)
测试电压 Voltage Proof	极间 Between Terminals: 1.5VRdc (10s)
阻燃等级 Flame Rating	UL94-V0
最高使用海拔 Max Altitude	2000m
预期寿命 Lifetime Expectancy	> 100 000 h (θ _{hs} =70℃)
过电压 overvoltage	1.1VR:有负荷时间的30% 30% of on-load-dur
	1.15VR:30min/day
	1.2VR:5min/day
	1.3VR:1min/day

产品代码说明 Part number system

■ 14 位产品代码说明如下:

The 14 digits part number is formed as follow:

1	2	3	4	5	6	7	8	9	10	11	12	13	14
□	□	□	□	□	□	□	□	□	□	□	□	□	□

W L M

第 1~3 位: 型号代码

WLM

第 4~6 位: 标称容量

举例 : 505 = 50×10^5 PF = 5.0μF

256 = 25×10^6 PF = 25.0μF

第 7~10 位: 直流额定电压

举例: 0500=500 V 0900=900V

1100=1100V 1300=1300V

第 11 位: 容量偏差

J=±5%, K=±10%, M=±20%

第 12 位: 引出端代码

1 = 2 Pins 2 = 4 Pins

3 = 6 Pins 4 = 铜片

第 13~14 位: 内部特征码

Digit 1 to 3: Series code

WLM

Digit 4 to 6: Rated capacitance

For example: 505 = 50×10^5 PF = 5.0μF

256 = 25×10^6 PF = 25.0μF

Digit 7 to 10: DC rated voltage

0500=500 V 0900=900V

1100=1100V 1300=1300V

Digit 11: Capacitance tolerance

J=±5%, K=±10%, M=±20%

Digit 12: Terminals code

1 = 2 Pins 2 = 4 Pins

3 = 6 Pins 4 = copper sheet

Digit 13 to 14: Internal use

V _R (VDC) C _R (μF)	500	700	900	1100	1300
	P=27mm				
3.0					
4.0					
5.0					
8.0					
10.0					
12.0					
15.0					
20.0					
P=37mm					
7.0					
8.0					
10.0					
11.0					
12.0					
14.0					
16.0					
20.0					
22.0					
25.0					
27.0					
30.0					
35.0					
40.0					
45.0					
50.0					

V _R (VDC) C _R (μF)	500	700	900	1100	1300
	P=52.5mm				
12.0					
15.0					
20.0					
22.0					
25.0					
30.0					
35.0					
40.0					
45.0					
50.0					
55.0					
60.0					
65.0					
70.0					
75.0					
80.0					
85.0					
90.0					
95.0					
100.0					

■ 外形尺寸 Dimensions (mm)

C _n (μF)	W±1.0	H±1.0	T±1.0	P±1.0	b±0.5	d±0.05	dV/dt (V/μS)	ESR (mΩ)	I _{rms} (A) @10KHz	Part number
500VDC										
5.0	32.0	25.0	15.0	27.0	-	0.8	43	10.4	5	WLM5050500-#**
8.0	32.0	28.0	18.0	27.0	-	0.8	43	9.2	6	WLM8050500-#**
10.0	32.0	38.0	24.0	27.0	-	0.8	43	7.4	7	WLM1060500-#**
12.0	32.0	38.0	24.0	27.0	-	0.8	43	6.3	8	WLM1260500-#**
15.0	32.0	38.0	24.0	27.0	-	0.8	43	4.9	10	WLM1560500-#**
20.0	32.0	38.0	24.0	27.0	-	0.8	43	3.7	12	WLM2060500-#**
27.0	42.0	37.0	28.0	37.0	-	0.8	27	5.8	11	WLM2760500-#**
30.0	42.0	37.0	28.0	37.0	10.0	1.0	27	5.2	12	WLM3060500-#**
35.0	42.0	42.5	28.0	37.0	10.0	1.0	27	4.5	13	WLM3560500-#**
40.0	42.0	42.5	28.0	37.0	10.0	1.0	27	3.9	15	WLM4060500-#**
45.0	42.0	42.5	28.0	37.0	10.0	1.2	27	3.5	16	WLM4560500-#**
50.0	42.0	45.0	30.0	37.0	12.7	1.2	27	3.1	17	WLM5060500-#**
55.0	57.0	45.0	30.0	52.5	20.0	1.2	18	6	14	WLM5560500-#**
60.0	57.0	45.0	30.0	52.5	20.0	1.2	18	5.4	15	WLM6060500-#**
70.0	57.0	45.0	30.0	52.5	20.0	1.2	18	4.6	16	WLM7060500-#**
75.0	57.0	50.0	35.0	52.5	20.0	1.2	18	4.3	17	WLM7560500-#**
80.0	57.0	50.0	35.0	52.5	20.0	1.2	18	4	18	WLM8060500-#**
100.0	57.0	50.0	35.0	52.5	20.0	1.2	18	3.2	21	WLM1070500-#**
700VDC										
5.0	32.0	25.0	15.0	27.0	-	0.8	75	15.1	6.9	WLM5050700-#**
8.0	32.0	28.0	18.0	27.0	-	0.8	75	11.9	8.3	WLM8050700-#**
10.0	32.0	38.0	24.0	27.0	-	0.8	50	6.4	9.0	WLM1060700-#**
12.0	32.0	38.0	24.0	27.0	-	0.8	50	5.3	10	WLM1260700-#**
15.0	32.0	38.0	24.0	27.0	-	0.8	50	4.3	11	WLM1560700-#**
20.0	42.0	37.0	28.0	37.0	10.0	1.0	31	6.7	10	WLM2060700-#**
25.0	42.0	37.0	28.0	37.0	10.0	1.0	31	5.4	12	WLM2560700-#**
30.0	42.0	42.5	28.0	37.0	12.7	1.0	31	4.5	14	WLM3060700-#**
35.0	42.0	45.0	30.0	37.0	12.7	1.2	31	3.9	15	WLM3560700-#**
40.0	57.0	45.0	30.0	52.5	12.7	1.2	21	6.9	13	WLM4060700-#**
45.0	57.0	45.0	30.0	52.5	12.7	1.2	21	6.1	14	WLM4560700-#**
50.0	57.0	45.0	30.0	52.5	20.0	1.2	21	5.5	15	WLM5060700-#**
70.0	57.0	50.0	35.0	52.5	20.0	1.2	21	5.2	19	WLM7060700-#**
80.0	57.0	50.0	35.0	52.5	20.0	1.2	21	4.9	24	WLM8060700-#**
85.0	57.0	55.0	45.0	52.5	20.0	1.2	21	4.8	25	WLM8560700-#**
90.0	57.0	55.0	45.0	52.5	20.0	1.2	21	4.6	26	WLM9060700-#**
95.0	57.0	55.0	45.0	52.5	20.0	1.2	21	4.4	27	WLM9560700-#**
100.0	57.0	55.0	45.0	52.5	20.0	1.2	21	4.2	28	WLM1070700-#**

备注: 1. “-”表示容量偏差。“-”=capacitance tolerance code, M=±20%,K=±10%,J=±5%,

2. “#”表示引出端代码,引出端子可以选用铜线或铜片。“#” Terminals code, Terminals can be Tinned copper wire or Copper sheet

Cn (μ F)	W $\pm$ 1.0	H $\pm$ 1.0	T $\pm$ 1.0	P $\pm$ 1.0	b $\pm$ 0.5	d $\pm$ 0.05	dV/dt (V/ μ S)	ESR (m Ω)	I _{rms} (A) @10KHz	Part number
900VDC										
5.0	32.0	25.0	15.0	27.0	-	0.8	57	11.2	6	WLM5050900-#**
8.0	32.0	38.0	24.0	27.0	-	0.8	57	10.7	12	WLM8050900-#**
10.0	32.0	38.0	24.0	27.0	12.7	0.8	57	5.6	10	WLM1060900-#**
12.0	32.0	38.0	24.0	27.0	12.7	1.0	57	5.5	12	WLM1260900-#**
22.0	42.0	42.5	28.0	37.0	20.0	1.0	36	5.4	14	WLM2260900-#**
25.0	42.0	45.0	30.0	37.0	20.0	1.2	36	4.7	14	WLM2560900-#**
27.0	42.0	45.0	30.0	37.0	20.0	1.2	36	4.4	14	WLM2760900-#**
30.0	57.0	45.0	30.0	52.5	20.0	1.2	24	8.1	12	WLM3060900-#**
35.0	57.0	45.0	30.0	52.5	20.0	1.2	24	6.9	13	WLM3560900-#**
45.0	57.0	50.0	35.0	52.5	20.0	1.2	24	5.4	16	WLM4560900-#**
50.0	57.0	50.0	35.0	52.5	20.0	1.2	24	4.9	17	WLM5060900-#**
55.0	57.0	50.0	35.0	52.5	20.0	1.2	24	4.4	18	WLM5560900-#**
60.0	57.0	55.0	45.0	52.5	20.0	1.2	24	6.1	19	WLM6060900-#**
65.0	57.0	55.0	45.0	52.5	20.0	1.2	24	5.6	20	WLM6560900-#**
1100VDC										
5.0	32.0	38.0	24.0	27.0	-	0.8	106	7.6	8	WLM5051100-#**
8.0	32.0	38.0	24.0	27.0	-	1.0	106	8.0	8	WLM8051100-#**
10	42.0	37.0	28.0	37.0	12.7	1.0	64	8.4	9	WLM1061100-#**
12	42.0	42.5	28.0	37.0	12.7	1.0	64	7.0	11	WLM1261100-#**
14	42.0	42.5	28.0	37.0	12.7	1.0	64	6.0	12	WLM1461100-#**
16	42.0	45.0	30.0	37.0	12.7	1.0	64	5.2	13	WLM1661100-#**
20	57.0	45.0	30.0	52.5	20.0	1.2	41	8.9	11	WLM2061100-#**
22	57.0	45.0	30.0	52.5	20.0	1.2	41	8.1	12	WLM2261100-#**
25	57.0	50.0	35.0	52.5	20.0	1.2	41	7.1	13	WLM2561100-#**
30	57.0	50.0	35.0	52.5	20.0	1.2	41	5.9	15	WLM3061100-#**
35	57.0	55.0	45.0	52.5	20.0	1.2	20	8.4	14	WLM3561100-#**
40	57.0	55.0	45.0	52.5	20.0	1.2	20	7.8	15	WLM4061100-#**
45	57.0	55.0	45.0	52.5	20.0	1.2	20	6.9	17	WLM4561100-#**
1300VDC										
3.0	32.0	28.0	18.0	27.0	-	0.8	128	16.0	5	WLM3051300-#**
4.0	32.0	38.0	24.0	27.0	-	0.8	128	7.1	9	WLM4051300-#**
7.0	42.0	37.0	28.0	37.0	10.0	1.0	77	10.0	9	WLM7051300-#**
8.0	42.0	37.0	28.0	37.0	12.7	1.0	77	8.8	9	WLM8051300-#**
11	42.0	45.0	30.0	37.0	12.7	1.2	77	6.4	12	WLM1161300-#**
12	57.0	45.0	30.0	52.5	12.7	1.2	50	12.4	9	WLM1261300-#**
15	57.0	45.0	30.0	52.5	20.0	1.2	50	9.9	11	WLM1561300-#**
20	57.0	50.0	35.0	52.5	20.0	1.2	50	7.5	13	WLM2061300-#**
22	57.0	50.0	35.0	52.5	20.0	1.2	50	6.8	14	WLM2261300-#**
30	57.0	55.0	45.0	52.5	20.0	1.2	23	6.8	15	WLM3061300-#**
35	57.0	55.0	45.0	52.5	20.0	1.2	23	6.0	17	WLM3561300-#**

备注: 1. “-”表示容量偏差。“-”=capacitance tolerance code, M=±20%,K=±10%,J=±5%,

2. “#”表示引出端代码,引出端子可以选用铜线或铜片。“#”Terminals code, Terminals can be Tinned copper wire or Copper sheet