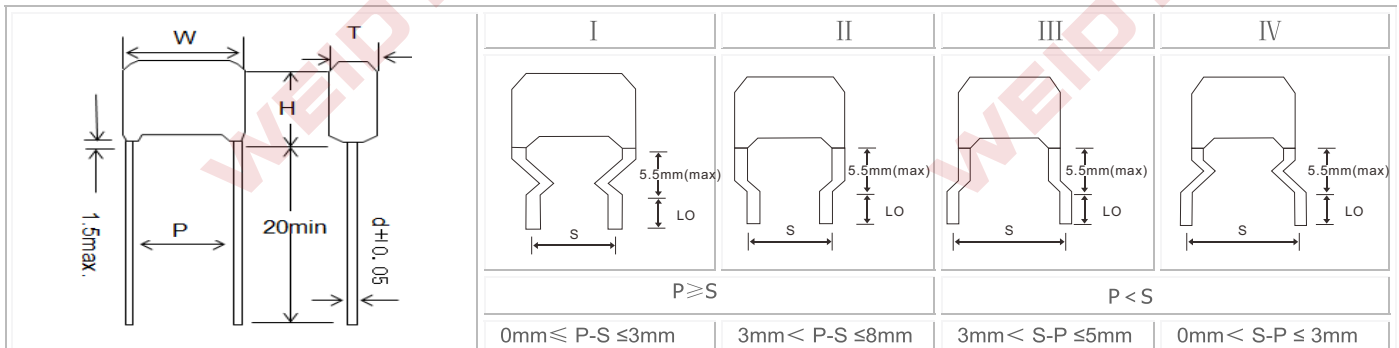


W21 CL21 series

金属化聚酯膜电容器 (浸渍型) Metallized polyester film capacitor(Dipped)

■ 外形图 Outline Drawing



■ 特点

- 金属化聚酯膜, 无感卷绕结构
- 容量范围宽, 体积小, 重量轻
- 自愈性好, 寿命长
- 阻燃性环氧粉末封装

■ 主要用途

- 适用于直流和 VHF 级信号的隔直、旁路和耦合。
- 广泛应用于滤波、低脉冲电路

■ 技术要求 Specifications

■ Features

- Metallized polyester film, non-inductive wound construction
- Wide capacitance range, small size and light weight
- Long life due to self-healing effect
- Flame retardation epoxy resin powder coated

■ Typical Applications

- Suitable for blocking, by-pass and coupling of DC and signals 隔直到 VHF range
- Widely used in filter and low pulse circuits

引用标准 Reference Standard	GB/T 7332 (IEC 60384-2)					
气候类别 Climatic Category	55/105/21					
额定温度 Rated temperature	85℃					
工作温度范围 Operating temperature	-55℃~105℃ (+85℃ to +105℃: decreasing factor 1.25% per °C for VR(dc))					
额定电压 Rated Voltage	50/63V, 100V, 250V, 400V, 630V, 1000V, 1250V					
电容范围 Capacitance Range	0.010μF ~ 10.0μF					
电容偏差 Capacitance Tolerance	±5%(J), ±10%(K), ±20%(M)					
耐电压 Voltage Proof	1.6UR (5s)					
损耗角正切 Dissipation Factor	≤1.0% (20℃, 1kHz)					
绝缘电阻 Insulation Resistance	UR ≤ 100V ≥15 000MΩ, CR ≤ 0.33μF ≥5 000s, CR > 0.33μF (20℃, 100V, 1min) UR > 100V ≥30 000MΩ, CR ≤ 0.33μF ≥10 000s, CR > 0.33μF (20℃, 100V, 1min)					
最大脉冲爬升速率 Maximum Pulse Rise Time (dv/dt) 若实际工作电压 U 比额定电压 UR 低, 电容器可工作在更高的 dv/dt 场合。这样 dv/dt 允许值为右表值乘 UR/U。	UR(V)	dv/dt (V/μs)				
		P=7.5	P=10	P=15	P=22	P=27
	50/63	7.5	6	3	2	--
	100	15	9	5	3	--
	250	30	20	12	8	5
	400	40	30	20	10	7
	630	--	40	25	12	10
	1000	70	60	30	15	12
1250	80	70	40	18	14	

W21 CL21 series

产品代码说明 Part number system

■ 18 位产品代码说明如下：

The 18 digits part number is formed as follow:



W 2 1

第 1~3 位：型号代码

W21=CL21

第 4~5 位：直流额定电压

1H= 50V 1J= 63V 2A=100V
2E=250V 2G=400V 2J=630V
3A=1000V 3B=1250V

第 6~8 位：标称容量

举例：104 = 10×10^4 PF = 0.1 μ f

第 9 位：容量偏差

J=±5%, K=±10%, M=±20%

第 10 位：引线脚距

J=7.5mm K=10mm M=15mm
N=20mm P=22.0mm S=27.0mm

第 11 位：引线线径

5= CP 0.5mm 6= CP 0.6mm
7= CP 0.7mm 8= CP 0.8mm
1= CU 1.0mm 9= CU 0.8mm
2= CU 0.5mm 3= CU 0.6mm
4= CU 0.7mm

第 12 位：引线加工和包装代码

L= 直脚 K= 引线成型
T= 弹带包装

第 13~18 位：内部特征码

Digit 1 to 3: Series code

W21=CL21

Digit 4 to 5: DC rated voltage

1H= 50V 1J= 63V 2A=100V
2E=250V 2G=400V 2J=630V
3A=1000V 3B=1250V

Digit 6 to 8: Rated capacitance

For example: 104 = 10×10^4 PF = 0.1 μ f

Digit 9: Capacitance tolerance

J=±5%, K=±10%, M=±20%

Digit 10: Pitch

J=7.5mm K=10mm M=15mm
N=20mm P=22.0mm S=27.0mm

Digit 11: Lead Wire diameter

5= CP 0.5mm 6= CP 0.6mm
7= CP 0.7mm 8= CP 0.8mm
1= CU 1.0mm 9= CU 0.8mm
2= CU 0.5mm 3= CU 0.6mm
4= CU 0.7mm

Digit 12: Lead form and packaging code

L= straight lead K= Lead kinked
T= ammo-pack

Digit 13 to 18: Internal use

W21 CL21 series

■ 外形尺寸 Dimensions (mm)

50Vdc(30Vac)/63Vdc (40Vac) #						
Cn (μF)	W max	H max	T max	P	d	Part number
0.12	9.5	7.0	4.0	7.5	0.6	W211J124-J6*****
0.15	9.5	7.8	4.1	7.5	0.6	W211J154-J6*****
0.18	9.5	7.5	3.9	7.5	0.6	W211J184-J6*****
0.22	9.5	7.8	4.1	7.5	0.6	W211J224-J6*****
0.27	9.5	8.1	4.5	7.5	0.6	W211J274-J6*****
0.33	9.5	7.7	4.1	7.5	0.6	W211J334-J6*****
0.39	9.5	8.0	4.3	7.5	0.6	W211J394-J6*****
0.47	9.5	8.3	4.6	7.5	0.6	W211J474-J6*****
0.56	9.5	8.6	5.0	7.5	0.6	W211J564-J6*****
0.68	9.5	9.0	5.4	7.5	0.6	W211J684-J6*****
0.82	12.5	8.6	5.0	10.0	0.6	W211J824-K6*****
1.0	12.5	9.0	5.4	10.0	0.6	W211J105-K6*****
1.2	12.5	9.5	5.9	10.0	0.6	W211J125-K6*****
1.5	12.5	10.1	6.5	10.0	0.6	W211J155-K6*****
1.8	12.5	10.7	7.1	10.0	0.6	W211J185-K6*****
2.2	17.5	11.4	6.1	15.0	0.6	W211J225-M6*****
2.7	17.5	11.9	6.7	15.0	0.6	W211J275-M6*****
3.3	17.5	12.5	7.3	15.0	0.6	W211J335-M6*****
3.9	17.5	13.6	7.9	15.0	0.8	W211J395-M8*****
4.7	25.0	13.9	6.6	22.0	0.8	W211J475-P8*****
5.6	25.0	14.4	7.2	22.0	0.8	W211J565-P8*****
6.8	25.0	15.1	7.8	22.0	0.8	W211J685-P8*****
8.2	25.0	15.9	9.1	22.0	0.8	W211J825-P8*****
10.0	25.0	16.7	10.0	22.0	0.8	W211J106-P8*****

100Vdc (63Vac)						
Cn (μF)	W max	H max	T max	P	d	Part number
0.12	9.5	7.0	25.0	7.5	0.6	W212A124-J6*****
0.15	9.5	7.8	4.1	7.5	0.6	W212A154-J6*****
0.18	9.5	7.5	3.9	7.5	0.6	W212A184-J6*****
0.22	9.5	7.8	4.1	7.5	0.6	W212A224-J6*****
0.27	9.5	8.1	4.5	7.5	0.6	W212A274-J6*****
0.33	9.5	8.5	4.8	7.5	0.6	W212A334-J6*****
0.39	9.5	8.8	5.2	7.5	0.6	W212A394-J6*****
0.47	9.5	9.2	5.6	7.5	0.6	W212A474-J6*****
0.56	12.5	8.8	5.2	10.0	0.6	W212A564-K6*****
0.68	12.5	9.3	5.6	10.0	0.6	W212A684-K6*****
0.82	12.5	9.7	6.1	10.0	0.6	W212A824-K6*****
1.0	12.5	10.3	6.6	10.0	0.6	W212A105-K6*****
1.2	12.5	10.9	7.2	10.0	0.6	W212A125-K6*****
1.5	12.5	11.6	8.0	10.0	0.6	W212A155-K6*****
1.8	17.5	13.6	6.3	15.0	0.6	W212A185-M6*****
2.2	17.5	14.2	6.9	15.0	0.8	W212A225-M8*****
2.7	17.5	14.9	7.6	15.0	0.8	W212A275-M8*****
3.3	17.5	15.7	8.4	15.0	0.8	W212A335-M8*****
3.9	17.5	16.4	9.1	15.0	0.8	W212A395-M8*****
4.7	25.0	16.5	7.6	22.0	0.8	W212A475-P8*****
5.6	25.0	17.2	8.3	22.0	0.8	W212A565-P8*****
6.8	25.0	18.0	9.7	22.0	0.8	W212A685-P8*****
8.2	25.0	19.0	10.6	22.0	0.8	W212A825-P8*****
10.0	25.0	21.0	11.1	22.0	0.8	W212A106-P8*****

250Vdc (160Vac)						
Cn (μF)	W max	H max	T max	P	d	Part number
0.010	9.5	6.5	3.5	7.5	0.6	W212E103-J6*****
0.012	9.5	6.7	3.7	7.5	0.6	W212E123-J6*****
0.015	9.5	7.4	3.8	7.5	0.6	W212E153-J6*****
0.018	9.5	7.6	4.0	7.5	0.6	W212E183-J6*****
0.022	9.5	7.4	3.8	7.5	0.6	W212E223-J6*****
0.027	9.5	7.7	4.1	7.5	0.6	W212E273-J6*****
0.033	9.5	7.3	3.7	7.5	0.6	W212E333-J6*****
0.039	9.5	7.5	3.9	7.5	0.6	W212E393-J6*****
0.047	9.5	7.8	4.1	7.5	0.6	W212E473-J6*****
0.056	9.5	8.0	4.4	7.5	0.6	W212E563-J6*****
0.068	9.5	7.5	3.9	7.5	0.6	W212E683-J6*****
0.082	9.5	7.8	4.1	7.5	0.6	W212E823-J6*****
0.10	9.5	8.1	4.4	7.5	0.6	W212E104-J6*****
0.12	9.5	8.4	4.8	7.5	0.6	W212E124-J6*****
0.15	9.5	8.8	5.2	7.5	0.6	W212E154-J6*****
0.18	12.5	8.9	4.5	10.0	0.6	W212E184-K6*****
0.22	12.5	9.3	4.8	10.0	0.6	W212E224-K6*****
0.27	12.5	9.7	5.3	10.0	0.6	W212E274-K6*****
0.33	12.5	10.7	5.5	10.0	0.6	W212E334-K6*****
0.39	17.5	10.4	5.2	15.0	0.6	W212E394-M6*****
0.47	17.5	10.8	5.6	15.0	0.6	W212E474-M6*****
0.56	17.5	12.3	5.5	15.0	0.6	W212E564-M6*****
0.68	17.5	12.8	6.0	15.0	0.6	W212E684-M6*****
0.82	17.5	13.8	6.5	15.0	0.6	W212E824-M6*****
1.0	17.5	14.4	7.1	15.0	0.6	W212E105-M6*****
1.2	17.5	15.0	7.7	15.0	0.8	W212E125-M8*****
1.5	17.5	15.9	9.1	15.0	0.8	W212E155-M8*****
1.8	17.5	16.2	9.9	15.0	0.8	W212E185-M8*****
2.2	25.0	15.6	8.8	22.0	0.8	W212E225-P8*****
2.7	25.0	16.5	9.7	22.0	0.8	W212E275-P8*****
3.3	25.0	17.4	10.6	22.0	0.8	W212E335-P8*****
3.9	25.0	19.2	10.9	22.0	0.8	W212E395-P8*****
4.7	25.0	20.3	11.9	22.0	0.8	W212E475-P8*****
8.2	30.0	22.4	11.6	27.0	0.8	W212E565-S8*****
6.8	30.0	21.1	12.8	27.0	0.8	W212E685-S8*****
5.6	30.0	19.9	14.0	27.0	0.8	W212E825-S8*****
10.0	30.0	23.9	15.5	27.0	0.8	W212E106-S8*****

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

2. 第12位表示引线加工和包装代码, L=直脚 straight lead K=引线成型 Lead kinked T=弹带包装 ammo-pack

3. “#”当额定电压是50Vdc时,第4~5位代码是1H。“#”when the rated voltage is 50Vdc, the digit 4~5 is 1H.

W21 CL21 series

■ 外形尺寸 Dimensions (mm)

400Vdc (200Vac)							630Vdc (220Vac)@						
Cn (μ F)	W max	H max	T max	P	d	Part number	Cn (μ F)	W max	H max	T max	P	d	Part number
0.010	9.5	6.9	3.9	7.5	0.6	W212G103-J6*****	0.010	12.5	7.4	3.8	10.0	0.6	W212J103-K6*****
0.012	9.5	7.1	4.1	7.5	0.6	W212G123-J6*****	0.012	12.5	7.6	4.0	10.0	0.6	W212J123-K6*****
0.015	9.5	7.5	4.4	7.5	0.6	W212G153-J6*****	0.015	12.5	7.7	4.0	10.0	0.6	W212J153-K6*****
0.018	9.5	7.3	3.7	7.5	0.6	W212G183-J6*****	0.018	12.5	7.9	4.2	10.0	0.6	W212J183-K6*****
0.022	9.5	7.5	3.9	7.5	0.6	W212G223-J6*****	0.022	12.5	8.2	4.5	10.0	0.6	W212J223-K6*****
0.027	9.5	7.8	4.2	7.5	0.6	W212G273-J6*****	0.027	12.5	8.5	4.9	10.0	0.6	W212J273-K6*****
0.033	9.5	8.1	4.5	7.5	0.6	W212G333-J6*****	0.033	12.5	8.9	5.2	10.0	0.6	W212J333-K6*****
0.039	9.5	8.2	4.6	7.5	0.6	W212G393-J6*****	0.039	12.5	9.2	5.6	10.0	0.6	W212J393-K6*****
0.047	9.5	8.6	4.9	7.5	0.6	W212G473-J6*****	0.047	12.5	9.7	6.0	10.0	0.6	W212J473-K6*****
0.056	12.5	8.8	4.3	10.0	0.6	W212G563-K6*****	0.056	12.5	10.1	6.5	10.0	0.6	W212J563-K6*****
0.068	12.5	9.1	4.7	10.0	0.6	W212G683-K6*****	0.068	12.5	10.7	7.0	10.0	0.6	W212J683-K6*****
0.082	12.5	9.4	5.0	10.0	0.6	W212G823-K6*****	0.082	12.5	11.3	7.6	10.0	0.6	W212J823-K6*****
0.10	12.5	9.9	5.4	10.0	0.6	W212G104-K6*****	0.10	17.5	11.5	6.3	15.0	0.6	W212J104-M6*****
0.12	12.5	10.3	5.9	10.0	0.6	W212G124-K6*****	0.12	17.5	12.0	6.8	15.0	0.6	W212J124-M6*****
0.15	17.5	10.6	5.4	15.0	0.6	W212G154-M6*****	0.15	17.5	12.7	7.5	15.0	0.8	W212J154-M8*****
0.18	17.5	11.0	5.8	15.0	0.6	W212G184-M6*****	0.18	17.5	13.8	8.1	15.0	0.8	W212J184-M8*****
0.22	17.5	11.5	6.3	15.0	0.6	W212G224-M6*****	0.22	17.5	14.5	9.3	15.0	0.8	W212J224-M8*****
0.27	17.5	12.0	6.8	15.0	0.6	W212G274-M6*****	0.27	17.5	15.4	10.2	15.0	0.8	W212J274-M8*****
0.33	17.5	12.7	7.4	15.0	0.6	W212G334-M6*****	0.33	17.5	16.3	11.1	15.0	0.8	W212J334-M8*****
0.39	17.5	13.7	8.0	15.0	0.8	W212G394-M8*****	0.39	17.5	17.2	12.0	15.0	0.8	W212J394-M8*****
0.47	17.5	14.4	9.2	15.0	0.8	W212G474-M8*****	0.47	25.0	16.4	9.7	22.0	0.8	W212J474-P8*****
0.56	17.5	15.1	9.9	15.0	0.8	W212G564-M8*****	0.56	25.0	17.2	10.5	22.0	0.8	W212J564-P8*****
0.68	17.5	16.0	10.8	15.0	0.8	W212G684-M8*****	0.68	25.0	18.2	11.4	22.0	0.8	W212J684-P8*****
0.82	17.5	17.0	11.8	15.0	0.8	W212G824-M8*****	0.82	25.0	19.3	12.5	22.0	0.8	W212J824-P8*****
1.0	25.0	17.5	9.1	22.0	0.8	W212G105-P8*****	1.0	30.0	19.9	11.6	27.0	0.8	W212J105-S8*****
1.2	25.0	18.3	9.9	22.0	0.8	W212G125-P8*****	1.2	30.0	22.0	12.6	27.0	0.8	W212J125-S8*****
1.5	25.0	19.4	11.0	22.0	0.8	W212G155-P8*****	1.5	30.0	22.5	14.1	27.0	0.8	W212J155-S8*****
1.8	30.0	19.1	10.8	27.0	0.8	W212G185-S8*****	1.8	30.0	23.8	15.5	27.0	0.8	W212J185-S8*****
2.2	30.0	21.2	11.3	27.0	0.8	W212G225-S8*****	2.2	30.0	25.5	17.1	27.0	0.8	W212J225-S8*****
2.7	30.0	22.4	12.5	27.0	0.8	W212G275-S8*****							
3.3	30.0	23.8	13.9	27.0	0.8	W212G335-S8*****							
3.9	30.0	25.1	15.1	27.0	0.8	W212G395-S8*****							
4.7	30.0	26.6	16.7	27.0	0.8	W212G475-S8*****							

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

2. 第12位表示引线加工和包装代码, L=直脚 straight lead K=引线成型 Lead kinked T=弹带包装 ammo-pc

3. “@”不适用跨线电路应用 Not suitable for across-the-line applications.

W21 CL21 series

■ 外形尺寸 Dimensions (mm)

1000Vdc (250Vac)@						
Cn (μ F)	W max	H max	T max	P	d	Part number
0.0010	9.5	8.5	4.0	7.5	0.6	W213A102-J6*****
0.0012	9.5	8.7	4.3	7.5	0.6	W213A102-J6*****
0.0015	9.5	8.5	4.1	7.5	0.6	W213A152-J6*****
0.0018	9.5	8.7	4.3	7.5	0.6	W213A182-J6*****
0.0022	9.5	8.5	4.1	7.5	0.6	W213A222-J6*****
0.0027	9.5	8.8	4.4	7.5	0.6	W213A272-J6*****
0.0033	9.5	8.7	4.3	7.5	0.6	W213A332-J6*****
0.0039	9.5	8.9	4.5	7.5	0.6	W213A392-J6*****
0.0047	9.5	9.3	4.8	7.5	0.6	W213A472-J6*****
0.0056	12.5	8.5	4.1	10.0	0.6	W213A562-K6*****
0.0068	12.5	8.8	4.4	10.0	0.6	W213A682-K6*****
0.0082	12.5	9.1	4.7	10.0	0.6	W213A822-K6*****
0.010	12.5	9.4	5.0	10.0	0.6	W213A103-K6*****
0.012	12.5	9.8	5.4	10.0	0.6	W213A123-K6*****
0.015	12.5	10.8	5.6	10.0	0.6	W213A153-K6*****
0.018	12.5	11.3	6.1	10.0	0.6	W213A183-K6*****
0.022	12.5	11.9	6.7	10.0	0.6	W213A223-K6*****
0.027	17.5	11.8	5.0	15.0	0.6	W213A273-M6*****
0.033	17.5	12.3	5.5	15.0	0.6	W213A333-M6*****
0.039	17.5	12.7	5.9	15.0	0.6	W213A393-M6*****
0.047	17.5	13.2	6.5	15.0	0.8	W213A473-M8*****
0.056	17.5	13.8	7.0	15.0	0.8	W213A563-M8*****
0.068	17.5	14.5	7.7	15.0	0.8	W213A683-M8*****
0.082	17.5	15.2	8.5	15.0	0.8	W213A823-M8*****
0.10	17.5	16.6	9.7	15.0	0.8	W213A104-M8*****
0.12	25.0	15.3	8.3	22.0	0.8	W213A124-P8*****
0.15	25.0	16.2	9.2	22.0	0.8	W213A154-P8*****
0.18	25.0	17.1	10.1	22.0	0.8	W213A184-P8*****
0.22	25.0	18.1	11.1	22.0	0.8	W213A224-P8*****
0.27	25.0	20.2	11.7	22.0	0.8	W213A274-P8*****
0.33	30.0	20.1	11.6	27.0	0.8	W213A334-S8*****
0.39	30.0	21.1	12.6	27.0	0.8	W213A394-S8*****

1250Vdc (250Vac)						
Cn (μ F)	W max	H max	T max	P	d	Part number
0.0010	9.5	8.5	4.0	7.5	0.6	W213B102-J6*****
0.0012	9.5	8.7	4.3	7.5	0.6	W213B102-J6*****
0.0015	9.5	8.5	4.1	7.5	0.6	W213B152-J6*****
0.0018	9.5	8.7	4.3	7.5	0.6	W213B182-J6*****
0.0022	9.5	8.5	4.1	7.5	0.6	W213B222-J6*****
0.0027	9.5	8.8	4.4	7.5	0.6	W213B272-J6*****
0.0033	9.5	9.1	4.7	7.5	0.6	W213B332-J6*****
0.0039	9.5	9.4	5.0	7.5	0.6	W213B392-J6*****
0.0047	12.5	8.7	4.2	10.0	0.6	W213B472-K6*****
0.0056	12.5	8.9	4.5	10.0	0.6	W213B562-K6*****
0.0068	12.5	9.2	4.8	10.0	0.6	W213B682-K6*****
0.0082	17.5	9.0	4.6	15.0	0.6	W213B822-M6*****
0.010	17.5	9.4	5.0	15.0	0.6	W213B103-M6*****
0.012	17.5	9.1	4.7	15.0	0.6	W213B123-M6*****
0.015	17.5	9.5	5.1	15.0	0.6	W213B153-M6*****
0.018	17.5	9.9	5.4	15.0	0.6	W213B183-M6*****
0.022	17.5	10.3	5.9	15.0	0.6	W213B223-M6*****
0.027	25.0	9.7	5.2	22.0	0.6	W213B273-P6*****
0.033	25.0	10.1	5.7	22.0	0.6	W213B333-P6*****
0.039	25.0	10.5	6.1	22.0	0.8	W213B393-P8*****
0.047	25.0	11.0	6.6	22.0	0.8	W213B473-P8*****
0.056	30.0	11.4	6.2	27.0	0.9	W213B563-S8*****
0.068	30.0	12.0	6.7	27.0	0.8	W213B683-S8*****
0.082	30.0	12.6	7.3	27.0	0.8	W213B823-S8*****
0.1	30.0	14.8	7.8	27.0	0.8	W213B104-S8*****
0.12	30.0	15.4	8.5	27.0	0.8	W213B124-S8*****
0.15	30.0	16.4	9.4	27.0	0.8	W213B154-S8*****
0.18	30.0	18.3	9.7	27.0	0.8	W213B184-S8*****
0.22	30.0	19.3	10.7	27.0	0.8	W213B224-S8*****

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

2. 第 12 位表示引线加工和包装代码, L= 直脚 straight lead K= 引线成型 Lead kinked T= 弹带包装 ammo-pc

3. "@ " 不适用跨线电路应用 Not suitable for across-the-line applications.