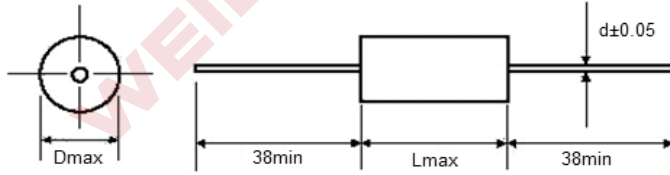


W20 CL20T series

轴向金属化聚酯膜电容器 Metallized polyester film capacitor(Axial-type)

外形图 Outline Drawing



特点

- 金属化聚酯膜，卷绕结构
- 体积小，重量轻，治愈性能优异
- 外包装聚酯胶带纸，两端灌注环氧树脂

主要用途

- 隔直，旁路和耦合（去耦）

技术要求 Specifications

Features

- Metallized polyester film, non-inductive wound construction
- Small size, light weight, excellent self-healing property
- Wrapped with polyester adhesive tape and ends filled

Typical application

- Suitable for blocking, by-pass ,coupling, and decoupling

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	50V,63V, 100V, 250V, 400V, 630V,1000V					
电容量范围 Capacitance Range	0.010μF ~ 10.0μF					
电容量偏差 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	≥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。	dv/dt (V/μs)					
	UR(V)	L=12.0	L=15.0	L=19.0	L=27.0	L=32.0
	50/63	6	6	2	1.5	1
	100	9	9	3	2	1
	250	20	20	8	5	2.5
	400	30	30	10	7	4
	630	40	40	15	10	6
	1000	50	50	25	12	8

W20 CL20T 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:

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□

W 2 0

第 1~3 位：型号代码

W20=CL20T

第 4~5 位：直流额定电压

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

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：产品长度

G=12mm 1=15mm 2=19mm
4=27mm 5=32.0mm

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

第 13~18 位：内部特征码

Digit 1 to 3: Series code

W20=CL20T

Digit 4 to 5: DC rated voltage

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

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: Product length

G=12mm 1=15mm 2=19mm
4=27mm 5=32.0mm

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

Digit 13 to 18: Internal use

W20 CL20T series

■ 外形尺寸 Dimensions (mm)

50Vdc(30Vac)/63Vdc(40Vac) [#]					100Vdc (63Vac)					250Vdc (160Vac)				
Cn (μF)	D max	L max	d	Part number	Cn (μF)	D max	L max	d	Part number	Cn (μF)	D max	L max	d	Part number
0.33	5.2	12.0	0.6	W201J334-G6*****	0.068	5.2	12.0	0.6	W202A683-G6*****	0.047	5.2	12.0	0.6	W202E473-G6*****
0.39	5.5	12.0	0.6	W201J394-G6*****	0.082	5.2	12.0	0.6	W202A823-G6*****	0.056	5.2	12.0	0.6	W202E563-G6*****
0.47	5.5	15.0	0.6	W201J474-16*****	0.10	5.2	12.0	0.6	W202A104-G6*****	0.068	5.2	12.0	0.6	W202E683-G6*****
0.56	6.0	15.0	0.6	W201J564-16*****	0.12	5.2	12.0	0.6	W202A124-G6*****	0.082	5.2	12.0	0.6	W202E823-G6*****
0.68	6.0	15.0	0.6	W201J684-16*****	0.15	5.2	12.0	0.6	W202A154-G6*****	0.10	5.5	15.0	0.6	W202E104-16*****
0.82	6.5	15.0	0.6	W201J824-16*****	0.18	5.2	12.0	0.6	W202A184-G6*****	0.12	5.5	15.0	0.6	W202E124-16*****
1.0	7.0	15.0	0.8	W201J105-18*****	0.22	5.2	12.0	0.6	W202A224-G6*****	0.15	5.5	15.0	0.6	W202E154-16*****
1.2	7.0	15.0	0.8	W201J125-18*****	0.27	5.2	12.0	0.6	W202A274-G6*****	0.18	5.5	15.0	0.6	W202E184-16*****
1.5	6.7	19.0	0.8	W201J155-28*****	0.33	6.0	15.0	0.6	W202A334-16*****	0.22	6.0	15.0	0.6	W202E224-16*****
1.8	7.0	19.0	0.8	W201J185-28*****	0.39	6.0	15.0	0.6	W202A394-16*****	0.27	6.5	15.0	0.6	W202E274-16*****
2.2	7.5	19.0	0.8	W201J225-28*****	0.47	6.0	15.0	0.6	W202A474-16*****	0.33	6.5	19.0	0.6	W202E334-26*****
2.7	8.5	19.0	0.8	W201J275-28*****	0.56	6.0	15.0	0.6	W202A564-16*****	0.39	6.5	19.0	0.6	W202E394-26*****
3.3	9.0	19.0	0.8	W201J335-28*****	0.68	6.8	15.0	0.8	W202A684-18*****	0.47	7.0	19.0	0.8	W202E474-28*****
3.9	9.5	19.0	0.8	W201J395-28*****	0.82	7.0	15.0	0.8	W202A824-18*****	0.56	7.5	19.0	0.8	W202E564-28*****
4.7	8.5	27.0	0.8	W201J475-48*****	1.0	7.7	19.0	0.8	W202A105-28*****	0.68	8.0	19.0	0.8	W202E684-28*****
5.6	9.0	27.0	0.8	W201J565-48*****	1.2	7.0	19.0	0.8	W202A125-28*****	0.82	8.5	19.0	0.8	W202E824-28*****
6.8	10.0	27.0	0.8	W201J685-48*****	1.5	8.0	19.0	0.8	W202A155-28*****	1.0	9.0	19.0	0.8	W202E105-28*****
8.2	10.5	27.0	0.8	W201J825-48*****	1.8	8.5	19.0	0.8	W202A185-28*****	1.2	8.5	27.0	0.8	W202E125-48*****
10	11.0	32.0	0.8	W201J106-58*****	2.2	9.0	19.0	0.8	W202A225-28*****	1.5	9.0	27.0	0.8	W202E155-48*****
					2.7	9.5	19.0	0.8	W202A275-28*****	1.8	9.5	27.0	0.8	W202E185-48*****
					3.3	9.5	27.0	0.8	W202A335-48*****	2.2	11.0	32.0	0.8	W202E225-58*****
					3.9	9.5	27.0	0.8	W202A395-48*****	2.7	12.0	32.0	0.8	W202E275-58*****
					4.7	10.0	32.0	0.8	W202A475-58*****	3.3	13.0	32.0	0.8	W202E335-58*****
					5.6	10.5	32.0	0.8	W202A565-58*****	3.9	14.5	32.0	0.8	W202E395-58*****
					6.8	11.5	32.0	0.8	W202A685-58*****	4.7	15.5	32.0	0.8	W202E475-58*****
					8.2	12.5	32.0	0.8	W202A825-58*****	5.6	16.5	32.0	1.0	W202E565-51*****
					10	13.5	32.0	0.8	W202A106-58*****	6.8	18.5	32.0	1.0	W202E685-51*****
										8.2	20.0	32.0	1.0	W202E825-51*****
										10	22.0	32.0	1.0	W202E106-51*****

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

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 is1H.

W20 CL20T series

■ 外形尺寸 Dimensions (mm)

400Vdc (200Vac)				
Cn (μF)	D max	L max	d	Part number
0.010	5.2	12.0	0.6	W202G103-G6*****
0.012	5.2	12.0	0.6	W202G123-G6*****
0.015	5.2	12.0	0.6	W202G153-G6*****
0.018	5.2	12.0	0.6	W202G183-G6*****
0.022	5.2	12.0	0.6	W202G223-G6*****
0.027	5.2	12.0	0.6	W202G273-G6*****
0.033	5.2	12.0	0.6	W202G333-G6*****
0.039	5.2	15.0	0.6	W202G393-16*****
0.047	6.5	15.0	0.6	W202G473-16*****
0.056	6.5	15.0	0.6	W202G563-16*****
0.068	6.5	15.0	0.6	W202G683-16*****
0.082	7.0	15.0	0.8	W202G823-18*****
0.10	7.5	15.0	0.8	W202G104-18*****
0.12	8.0	15.0	0.8	W202G124-18*****
0.15	7.0	19.0	0.6	W202G154-26*****
0.18	7.0	19.0	0.8	W202G184-28*****
0.22	7.5	19.0	0.8	W202G224-28*****
0.27	8.0	19.0	0.8	W202G274-28*****
0.33	9.0	19.0	0.8	W202G334-28*****
0.39	9.5	19.0	0.8	W202G394-28*****
0.47	8.5	27.0	0.8	W202G474-48*****
0.56	9.0	27.0	0.8	W202G564-48*****
0.68	10.0	27.0	0.8	W202G684-48*****
0.82	10.5	27.0	0.8	W202G824-48*****
1.0	10.5	32.0	0.8	W202G105-58*****
1.2	11.5	32.0	0.8	W202G125-58*****
1.5	12.5	32.0	0.8	W202G155-58*****
1.8	13.5	32.0	0.8	W202G185-58*****
2.2	14.5	32.0	0.8	W202G225-58*****
2.7	16.0	32.0	1.0	W202G275-51*****
3.3	17.5	32.0	1.0	W202G335-51*****

630Vdc (220Vac)@				
Cn (μF)	D max	L max	d	Part number
0.0010	5.2	12.0	0.6	W202J102-G6*****
0.0012	5.2	12.0	0.6	W202J102-G6*****
0.0015	5.2	12.0	0.6	W202J152-G6*****
0.0018	5.2	12.0	0.6	W202J182-G6*****
0.0022	5.2	12.0	0.6	W202J222-G6*****
0.0027	5.2	12.0	0.6	W202J272-G6*****
0.0033	5.2	12.0	0.6	W202J332-G6*****
0.0039	5.2	12.0	0.6	W202J392-G6*****
0.0047	5.2	12.0	0.6	W202J472-G6*****
0.0056	5.2	12.0	0.6	W202J562-G6*****
0.0068	6.0	12.0	0.6	W202J682-G6*****
0.0082	6.0	12.0	0.6	W202J822-G6*****
0.010	6.0	15.0	0.6	W202J103-16*****
0.012	6.0	15.0	0.6	W202J123-16*****
0.015	6.5	15.0	0.6	W202J153-16*****
0.018	7.0	15.0	0.8	W202J183-18*****
0.022	7.5	15.0	0.8	W202J223-18*****
0.027	8.0	15.0	0.8	W202J273-18*****
0.033	7.0	19.0	0.8	W202J333-28*****
0.039	7.5	19.0	0.8	W202J393-28*****
0.047	7.5	19.0	0.8	W202J473-28*****
0.056	8.0	19.0	0.8	W202J563-28*****
0.068	8.5	19.0	0.8	W202J683-28*****
0.082	9.0	19.0	0.8	W202J823-28*****
0.10	8.0	27.0	0.8	W202J104-48*****
0.12	8.5	27.0	0.8	W202J124-48*****
0.15	9.0	27.0	0.8	W202J154-48*****
0.18	10.0	27.0	0.8	W202J184-48*****
0.22	10.5	27.0	0.8	W202J224-48*****
0.27	11.5	27.0	0.8	W202J274-48*****
0.33	11.0	32.0	0.8	W202J334-58*****
0.39	12.0	32.0	0.8	W202J394-58*****
0.47	12.5	32.0	0.8	W202J474-58*****
0.56	13.5	32.0	0.8	W202J564-58*****
0.68	14.5	32.0	0.8	W202J684-58*****
0.82	16.0	32.0	1.0	W202J824-51*****
1.0	17.5	32.0	1.0	W202J105-51*****

1000Vdc (250Vac)				
Cn (μF)	D max	L max	d	Part number
0.0010	5.2	12.0	0.6	W203A102-G6*****
0.0010	5.2	12.0	0.6	W203A102-G6*****
0.0015	5.2	12.0	0.6	W203A152-G6*****
0.0018	5.2	12.0	0.6	W203A182-G6*****
0.0022	5.2	12.0	0.6	W203A222-G6*****
0.0027	5.2	12.0	0.6	W203A272-G6*****
0.0033	5.2	12.0	0.6	W203A332-G6*****
0.0039	5.2	12.0	0.6	W203A392-G6*****
0.0047	5.2	15.0	0.6	W203A472-16*****
0.0056	5.2	15.0	0.6	W203A562-16*****
0.0068	5.2	15.0	0.6	W203A682-16*****
0.0082	6.0	15.0	0.6	W203A822-16*****
0.010	6.0	19.0	0.6	W203A103-26*****
0.012	6.0	19.0	0.6	W203A123-26*****
0.015	6.5	19.0	0.6	W203A153-26*****
0.018	6.5	19.0	0.6	W203A183-26*****
0.022	7.0	19.0	0.8	W203A223-28*****
0.027	7.5	19.0	0.8	W203A273-28*****
0.033	6.5	27.0	0.6	W203A333-46*****
0.039	6.5	27.0	0.6	W203A393-46*****
0.047	7.0	27.0	0.8	W203A473-48*****
0.056	7.5	27.0	0.8	W203A563-48*****
0.068	8.0	27.0	0.8	W203A683-48*****
0.082	8.5	27.0	0.8	W203A823-48*****
0.10	9.0	27.0	0.8	W203A104-48*****
0.12	9.5	27.0	0.8	W203A124-48*****
0.15	9.5	32.0	0.8	W203A154-58*****
0.18	10.0	32.0	0.8	W203A184-58*****
0.22	11.0	32.0	0.8	W203A224-58*****
0.27	12.0	32.0	0.8	W203A274-58*****
0.33	13.0	32.0	0.8	W203A334-58*****
0.39	14.0	32.0	0.8	W203A394-58*****
0.47	15.0	32.0	0.8	W203A474-58*****

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

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