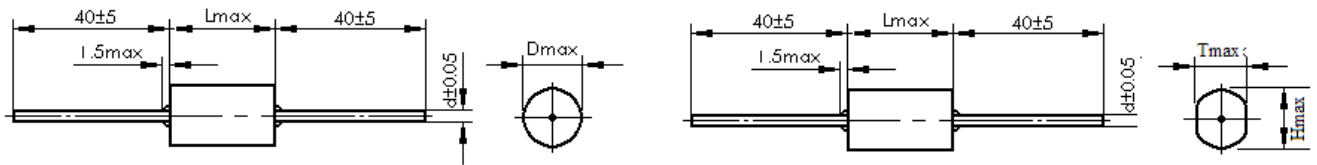


CL20 型轴向金属化聚酯膜电容器 Metallized Polyester Film Capacitor (Axial-Type)

◆ 外形尺寸图及产品结构 Outline Drawing and Capacitor Construction



① Axial circular

② Axial oval

◆ 特点及用途 Application and Feature

金属化聚酯膜，无感卷绕结构，体积小，自愈性好，适用于电子设备的直流和脉动电路。

Metallized polyester film, non-inductive wound construction, small size and excellent self-healing property. Suitable for DC impulse and pulse circuit.

◆ 技术要求 Specifications

参照标准 Reference Standard	GB 7332、IEC 60384-2		
气候类别 Climatic Category	55/105/21		
工作温度范围 Operation Temperature Range	-55℃~105℃		
额定温度 Rated Temperature	85℃		
额定电压 Rated Voltage	63Vdc、100Vdc、250Vdc、400Vdc、630Vdc、1000Vdc		
电容量范围 Capacitance Range	0.01μF~10.0μF		
电容量偏差 Capacitance Tolerance	±5%(J)、±10%(K)、±20%(M) (20℃, 1kHz)		
耐电压 Voltage Proof	U=1.6UR (20℃, 5s)		
绝缘电阻 Insulation Resistance	UR≤100Vdc	CR≤0.33μF, IR≥15 000MΩ CR>0.33μF, IR×C≥5 000s	(20℃, 10Vdc, 1min)
	UR>100Vdc	CR≤0.33μF, IR≥30 000 MΩ CR>0.33μF, IR×C≥10 000s	(20℃, 100Vdc, 1min)
损耗角正切 Dissipation Factor	≤0.0080 (1kHz, 20℃)		
说明：电容器的工作电压随温度上升而下降，在 85~105℃之间，以 85℃为基准，环境温度每上升 1℃，电容器的额定工作电压应降低 1.25%。 Note: The working voltage of the capacitor decreases as the temperature rises. between 85~105℃,take 85℃ as the base, the temperature rises 1℃,the rated working voltage of the capacitor decreases 1.25%.			

◆ 产品代码编写说明：Part number code 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	L	2	0												

第 1~4 位	薄膜电容器系列代码 CL20=CL20	Digit 1~4	Series code of film capacitor code CL20=CL20
第 5~7 位	标称容量代码 举例：103=10×10 ³ pF=0.01 μF	Digit 5~7	Rated capacitance value code For example: 103=10×10 ³ pF=0.01 μF
第 8 位	容量等级代码 J=±5% K=±10% M=±20%	Digit 8	Capacitance tolerance code J=±5% K=±10% M=±20%
第 9~10 位	直流额定电压代码 1J=63V 2A=100V 2E=250V 2G=400V 2J=630V 3A=1000V	Digit 9~10	DC rated voltage code 1J=63V 2A=100V 2E=250V 2G=400V 2J=630V 3A=1000V
第 11 位	轴向 0=轴向圆形 1=轴向椭圆形	Digit 11	Axial 0=Axial circular 1=Axial oval
第 12 位	内部特征码	Digit 12	Internal use
第 13~16 位	标准引线长度代码 B000=40mm	Digit 13~16	Lead length code B000=40mm



CL20

CL20 series

◆ 产品尺寸: Special Product Dimension:

63Vdc					100Vdc					250Vdc				
C (μ F)	D max	L max	d	产品代码 Part number	C (μ F)	D max	L max	d	产品代码 Part number	C (μ F)	D max	L max	d	产品代码 Part number
0.10	4.7	12.5	0.6	CL20104-1J00B000	0.047	5.0	12.5	0.6	CL20473-2A00B000	0.039	5.3	12.5	0.6	CL20393-2E00B000
0.15	5.0	12.5	0.6	CL20154-1J00B000	0.056	5.1	12.5	0.6	CL20563-2A00B000	0.047	5.6	12.5	0.6	CL20473-2E00B000
0.22	5.3	12.5	0.6	CL20224-1J00B000	0.068	5.3	12.5	0.6	CL20683-2A00B000	0.056	5.7	12.5	0.6	CL20563-2E00B000
0.27	5.5	12.5	0.6	CL20274-1J00B000	0.082	5.5	12.5	0.6	CL20823-2A00B000	0.068	6.0	12.5	0.6	CL20683-2E00B000
0.33	5.7	12.5	0.6	CL20334-1J00B000	0.10	5.0	12.5	0.6	CL20104-2A00B000	0.082	6.2	12.5	0.6	CL20823-2E00B000
0.39	5.9	12.5	0.6	CL20394-1J00B000	0.12	5.1	12.5	0.6	CL20124-2A00B000	0.10	6.1	14.7	0.6	CL20104-2E00B000
0.47	5.8	14.7	0.6	CL20474-1J00B000	0.15	5.3	12.5	0.6	CL20154-2A00B000	0.12	6.4	14.7	0.6	CL20124-2E00B000
0.56	6.0	14.7	0.6	CL20564-1J00B000	0.18	5.5	12.5	0.6	CL20184-2A00B000	0.15	6.8	14.7	0.6	CL20154-2E00B000
0.68	6.4	14.7	0.6	CL20684-1J00B000	0.22	5.8	12.5	0.6	CL20224-2A00B000	0.18	7.1	14.7	0.6	CL20184-2E00B000
0.82	6.7	14.7	0.6	CL20824-1J00B000	0.27	6.1	12.5	0.6	CL20274-2A00B000	0.22	7.5	14.7	0.6	CL20224-2E00B000
1.0	7.1	14.7	0.8	CL20105-1J00B000	0.33	6.4	12.5	0.6	CL20334-2A00B000	0.27	8.1	14.7	0.6	CL20274-2E00B000
1.2	7.5	14.7	0.8	CL20125-1J00B000	0.39	6.7	12.5	0.6	CL20394-2A00B000	0.33	7.3	19.7	0.6	CL20334-2E00B000
1.5	6.9	19.7	0.8	CL20155-1J00B000	0.47	6.5	14.7	0.6	CL20474-2A00B000	0.39	7.7	19.7	0.6	CL20394-2E00B000
1.8	7.3	19.7	0.8	CL20185-1J00B000	0.56	6.8	14.7	0.6	CL20564-2A00B000	0.47	8.1	19.7	0.6	CL20474-2E00B000
2.0	7.5	19.7	0.8	CL20205-1J00B000	0.68	7.2	14.7	0.8	CL20684-2A00B000	0.56	8.6	19.7	0.6	CL20564-2E00B000
2.2	7.7	19.7	0.8	CL20225-1J00B000	0.82	7.7	14.7	0.8	CL20824-2A00B000	0.68	9.3	19.7	0.6	CL20684-2E00B000
2.7	8.3	19.7	0.8	CL20275-1J00B000	1.0	7.8	19.7	0.8	CL20105-2A00B000	0.82	9.9	19.7	0.6	CL20824-2E00B000
3.3	8.9	19.7	0.8	CL20335-1J00B000	1.2	8.3	19.7	0.8	CL20125-2A00B000	1.0	9.7	28.7	0.8	CL20105-2E00B000
3.9	9.5	19.7	0.8	CL20395-1J00B000	1.5	7.9	19.7	0.8	CL20155-2A00B000	1.2	10.3	28.7	0.8	CL20125-2E00B000
4.7	9.2	28.7	0.8	CL20475-1J00B000	1.8	8.4	19.7	0.8	CL20185-2A00B000	1.5	11.1	28.7	0.8	CL20155-2E00B000
5.6	9.8	28.7	0.8	CL20565-1J00B000	2.0	8.8	19.7	0.8	CL20205-2A00B000	1.8	11.9	28.7	0.8	CL20185-2E00B000
6.8	10.5	28.7	0.8	CL20685-1J00B000	2.2	9.1	19.7	0.8	CL20225-2A00B000	2.2	12.2	33.7	0.8	CL20225-2E00B000
8.2	11.3	28.7	0.8	CL20825-1J00B000	2.7	9.8	19.7	0.8	CL20275-2A00B000	2.7	13.1	33.7	0.8	CL20275-2E00B000
6.8	10.2	33.7	0.8	CL20685-1J00B000	3.3	9.5	28.7	0.8	CL20335-2A00B000	3.3	14.1	33.7	0.8	CL20335-2E00B000
8.2	10.8	33.7	0.8	CL20825-1J00B000	3.9	10.1	28.7	0.8	CL20395-2A00B000	3.9	15.0	33.7	0.8	CL20395-2E00B000
10	11.5	33.7	0.8	CL20106-1J00B000	4.7	10.4	33.7	0.8	CL20475-2A00B000	4.7	16.2	33.7	0.8	CL20475-2E00B000
					5.6	11.0	33.7	0.8	CL20565-2A00B000	5.6	17.4	33.7	1	CL20565-2E00B000
					6.8	11.8	33.7	0.8	CL20685-2A00B000	6.8	18.9	33.7	1	CL20685-2E00B000
					8.2	12.6	33.7	0.8	CL20825-2A00B000	8.2	20.5	33.7	1	CL20825-2E00B000
					10	13.6	33.7	0.8	CL20106-2A00B000	10	22.3	33.7	1	CL20106-2E00B000

备注:

“-”: 容量偏差

“-”= tolerance code, J=±5%, K=±10%, M=±20%

◆ 产品尺寸: Special Product Dimension:

400Vdc					630Vdc					1000Vdc				
C (μF)	D max	L max	d	产品代码 Part number	C (μF)	D max	L max	d	产品代码 Part number	C (μF)	D max	L max	d	产品代码 Part number
0.010	5.1	12.5	0.6	CL20103-2G00B000	0.0010	5.0	12.5	0.6	CL20102-2J00B000	0.0010	5.2	12.5	0.6	CL20102-3A00B000
0.022	5.7	12.5	0.6	CL20223-2G00B000	0.0012	5.1	12.5	0.6	CL20122-2J00B000	0.0012	5.3	12.5	0.6	CL20122-3A00B000
0.027	5.9	12.5	0.6	CL20273-2G00B000	0.0015	5.1	12.5	0.6	CL20152-2J00B000	0.0015	5.3	12.5	0.6	CL20152-3A00B000
0.033	6.1	12.5	0.6	CL20333-2G00B000	0.0018	5.2	12.5	0.6	CL20182-2J00B000	0.0018	5.4	12.5	0.6	CL20182-3A00B000
0.039	5.9	14.7	0.6	CL20393-2G00B000	0.0022	5.2	12.5	0.6	CL20222-2J00B000	0.0022	5.5	12.5	0.6	CL20222-3A00B000
0.047	6.2	14.7	0.6	CL20473-2G00B000	0.0027	5.3	12.5	0.6	CL20272-2J00B000	0.0027	5.5	12.5	0.6	CL20272-3A00B000
0.056	6.4	14.7	0.6	CL20563-2G00B000	0.0033	5.4	12.5	0.6	CL20332-2J00B000	0.0033	5.7	12.5	0.6	CL20332-3A00B000
0.068	6.7	14.7	0.6	CL20683-2G00B000	0.0039	5.5	12.5	0.6	CL20392-2J00B000	0.0039	5.8	12.5	0.6	CL20392-3A00B000
0.082	7.1	14.7	0.6	CL20823-2G00B000	0.0047	5.7	12.5	0.6	CL20472-2J00B000	0.0047	5.7	14.7	0.6	CL20472-3A00B000
0.10	7.5	14.7	0.6	CL20104-2G00B000	0.0056	5.8	12.5	0.6	CL20562-2J00B000	0.0056	5.8	14.7	0.6	CL20562-3A00B000
0.12	7.9	14.7	0.6	CL20124-2G00B000	0.0068	6.0	12.5	0.6	CL20682-2J00B000	0.0068	5.9	14.7	0.6	CL20682-3A00B000
0.15	7.1	19.7	0.6	CL20154-2G00B000	0.0082	6.2	12.5	0.6	CL20822-2J00B000	0.0082	6.9	14.7	0.6	CL20822-3A00B000
0.18	7.5	19.7	0.6	CL20184-2G00B000	0.010	5.9	14.7	0.6	CL20103-2J00B000	0.010	6.6	19.7	0.6	CL20103-3A00B000
0.22	8.0	19.7	0.6	CL20224-2G00B000	0.012	6.1	14.7	0.6	CL20123-2J00B000	0.012	6.8	19.7	0.6	CL20123-3A00B000
0.27	8.5	19.7	0.6	CL20274-2G00B000	0.015	6.4	14.7	0.6	CL20153-2J00B000	0.015	6.9	19.7	0.6	CL20153-3A00B000
0.33	9.1	19.7	0.6	CL20334-2G00B000	0.018	6.7	14.7	0.8	CL20183-2J00B000	0.018	7.1	19.7	0.6	CL20183-3A00B000
0.39	9.7	19.7	0.6	CL20394-2G00B000	0.022	7.0	14.7	0.8	CL20223-2J00B000	0.022	7.3	19.7	0.6	CL20223-3A00B000
0.47	9.2	28.7	0.6	CL20474-2G00B000	0.027	7.4	14.7	0.8	CL20273-2J00B000	0.027	7.5	19.7	0.6	CL20273-3A00B000
0.56	9.8	28.7	0.6	CL20564-2G00B000	0.033	6.6	19.7	0.8	CL20333-2J00B000	0.033	7.2	28.7	0.6	CL20333-3A00B000
0.68	10.4	28.7	0.6	CL20684-2G00B000	0.039	6.8	19.7	0.8	CL20393-2J00B000	0.039	7.4	28.7	0.6	CL20393-3A00B000
0.82	11.1	28.7	0.6	CL20824-2G00B000	0.047	7.2	19.7	0.8	CL20473-2J00B000	0.047	7.6	28.7	0.8	CL20473-3A00B000
1.0	10.9	33.7	0.8	CL20105-2G00B000	0.056	7.5	19.7	0.8	CL20563-2J00B000	0.056	7.9	28.7	0.8	CL20563-3A00B000
1.2	11.7	33.7	0.8	CL20125-2G00B000	0.068	7.9	19.7	0.8	CL20683-2J00B000	0.068	8.2	28.7	0.8	CL20683-3A00B000
1.5	12.7	33.7	0.8	CL20155-2G00B000	0.082	8.4	19.7	0.8	CL20823-2J00B000	0.082	8.6	28.7	0.8	CL20823-3A00B000
1.8	13.6	33.7	0.8	CL20185-2G00B000	0.10	8.2	28.7	0.8	CL20104-2J00B000	0.10	9.1	28.7	0.8	CL20104-3A00B000
2.2	14.8	33.7	0.8	CL20225-2G00B000	0.12	8.6	28.7	0.8	CL20124-2J00B000	0.12	9.5	28.7	0.8	CL20124-3A00B000
2.7	16.1	33.7	1	CL20275-2G00B000	0.15	9.2	28.7	0.8	CL20154-2J00B000	0.15	10.3	33.7	0.8	CL20154-3A00B000
3.3	17.5	33.7	1	CL20335-2G00B000	0.18	9.7	28.7	0.8	CL20184-2J00B000	0.18	10.9	33.7	0.8	CL20184-3A00B000
					0.22	10.3	28.7	0.8	CL20224-2J00B000	0.22	11.5	33.7	0.8	CL20224-3A00B000
					0.27	11.0	28.7	0.8	CL20274-2J00B000	0.27	12.3	33.7	0.8	CL20274-3A00B000

备注:

“-”: 容量偏差

“-”= tolerance code, J=±5%, K=±10%, M=±20%