

# 规格承认书

## SPECIFICATIONS FOR APPROVAL

客户 : TR  
CUSTOMER

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项目 : Plain Polyester film Capacitors PEI  
ITEM : CL11

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客户料号 :  
CUSTOMER'S PART NO

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江森料号 : JGS-CL11 (ROHS环保产品)  
JIANGSEN 'S P/N

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日期 : 2020-4-23  
ISSUED DATE

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版本 : A  
EDITION

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※ This specification will be invalidated assuming that it is not accepted when it is not returned within one year from the date of issue.

CUSTOMER'S APPROVAL :



江泉森

江森科技

J ANGSEN TECHNOLOGY

# CL11型聚酯膜介质直流固定电容器

## CL11 POLYESTERER FILM CAPACITOR

### 1. 主要应用Typical applications

广泛用于电视机、收录机、节能灯及各种电子仪器的直流、脉动电路中

Widely used in DC and pulsating circuits of radio TV sets, Energy-saving lamps and various electronic equipment.

### 2. 一般数据General Technical Data

电介质Dielectric: 聚酯膜Polyester film

电极Plates: 铝箔Al foil

卷绕Winding: 有感卷绕型inductive type

引线leads: 镀锡引线Tinned wire

外包封Protection: 环氧树脂包封 epoxy resin coating

标志Marking: 电容量capacitance, 电容量偏差tolerance, 额定电压rated voltage

### 3. 性能特性 Characteristics

3.1 气候类别Climate Category: 55/085/21

3.2 额定电压Rated Voltage: 100V~1200V

3.3 电容量Capacitance: 680pF ~ 0.15 μF

3.4 容量偏差Capacitance Tolerance: J (±5%)、K (±10%)、M (±20%)

3.5 耐电压 Withstand Voltage: 2.5U<sub>R</sub> 5s、高温 120℃, 漏电流 < 10mA (High temperature 120℃, Leakage current < 10mA)

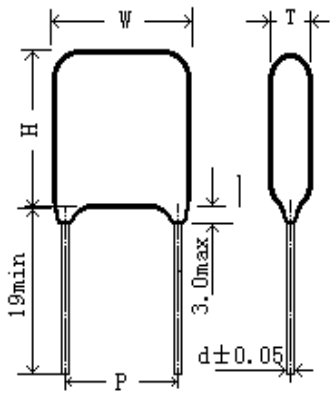
3.6 绝缘电阻Insulation Resistance: (引出极间Between Terminals) ≥ 30000MΩ at 60s and 20℃

3.7 损耗角正切 Dissipation factor: ≤ 0.01 at 1kHz and 20℃

### 4. 外形及尺寸External shape dimensions

表1 外形及规格尺寸 table 1 External shape dimensions (mm)

外形图 External shape	型号规格 spec	尺寸(mm) dimensions (mm)				
		W±1	H± <sup>2.5</sup> <sub>1</sub>	T± <sup>2</sup> <sub>1</sub>	P±0.5	d
	CL11-100V-0.001 μF	6	9.5	5.5	3.5	0.6
	CL11-100V-0.0015 μF	6	10.5	3.5	3.5	0.5
	CL11-100V-0.0022 μF	6	10.5	3.5	4.0	0.5
	CL11-100V-0.0033 μF	6.5	10	4.5	4.0	0.5
	CL11-100V-0.0039 μF	6	10.5	3.5	4.0	0.5
	CL11-100V-0.0047 μF	6	10.5	3.5	4.0	0.5
	CL11-100V-0.0056 μF	6.5	10.0	3.5	4.0	0.5
	CL11-100V-0.0068 μF	6.5	11	4.5	4.5	0.5
	CL11-100V-0.0082 μF	7	11	4	4.5	0.5



CL11-100V-0.01 $\mu$ F	6.5	10.5	4.5	4	0.5
CL11-100V-0.015 $\mu$ F	7.0	10.5	4.5	5.0	0.5
CL11-100V-0.022 $\mu$ F	8	10	5	5.0	0.5
CL11-100V-0.033 $\mu$ F	9.5	12	5	5.0	0.5
CL11-100V-0.047 $\mu$ F	8.0	10	4.0	5.0	0.5
CL11-100V-0.056 $\mu$ F	9.5	12.5	5	6	0.5
CL11-100V-0.068 $\mu$ F	9	13.0	5.0	6	0.5
CL11-100V-0.1 $\mu$ F	10	12.0	5.5	7.5	0.5
CL11-100V-0.15 $\mu$ F	11.5	16	8	7.5	0.5
CL11-100V-0.22 $\mu$ F	12	13.5	7	8	0.5
CL11-250V-0.022 $\mu$ F	7.5	12	4	6	0.5
CL11-250V-0.033 $\mu$ F	8.5	12.5	6.5	6	0.5
CL11-250V-0.047 $\mu$ F	10	14	6	7.5	0.5
CL11-250V-0.068 $\mu$ F	11.5	16	6.5	7.5	0.5
CL11-250V-0.1 $\mu$ F	14	16	9	8	0.5
CL11-400V-0.0022 $\mu$ F	6	11	4	4	0.5
CL11-400V-0.0047 $\mu$ F	7.5	13	4.5	5.5	0.5
CL11-400V-0.01 $\mu$ F	8	11	4	5	0.5
CL11-400V-0.022 $\mu$ F	7.5	12	4	6	0.5
CL11-400V-0.033 $\mu$ F	10	12.5	5.5	7	0.5
CL11-400V-0.047 $\mu$ F	11	14	6	7.5	0.5
CL11-400V-0.056 $\mu$ F	11	14	6.5	7.5	0.5
CL11-400V-0.1 $\mu$ F	14	16	7.5	10	0.5
CL11-630V0.001 $\mu$ F	6.5	11.5	3.5	4	0.5
CL11-630V-0.0022 $\mu$ F	7	11.5	4	4	0.5
CL11-630V-0.0047 $\mu$ F	10	14	5	7	0.5
CL11-630V0.01 $\mu$ F	11	12	6	7	0.5
CL11-630V-0.022 $\mu$ F	12	16	7	7.5	0.5
CL11-630V-0.047 $\mu$ F	12	16	7	8.5	0.5
CL11-1000V-0.0022 $\mu$ F	8.5	14	5	5	0.5
CL11-1000V-0.01 $\mu$ F	11	16	7	7	0.5
CL11-1200V-0.0012 $\mu$ F	7.5	13	4	5	0.5
CL11-1200V-0.0015 $\mu$ F	7.5	13	4.5	5	0.5
CL11-1200V-0.0022 $\mu$ F	8.5	13	4.5	5	0.5
CL11-1200V-0.0033 $\mu$ F	9	14	5.5	5.5	0.5
CL11-1200V-0.0039 $\mu$ F	9	14	5.5	5.5	0.5
CL11-1200V-0.0047 $\mu$ F	9	15	5.5	6.5	0.5
CL11-1200V-0.0068 $\mu$ F	11	15	7	7	0.5

根据需要,可增加其他电容量规格产品

If you want other specs, please contact with us.

## 5. 测试条件 Measuring conditions

测试在标准大气条件即温度：15~35℃、湿度：45%~75%、气压：86~106KPa下进行，在有争议时，应采用仲裁条件即温度：20±1℃、湿度：63%~67%、气压：86~106KPa。

Unless otherwise specified, the standard range of atmospheric conditions for making measurements and tests is as follows: Ambient temperature: 15~35℃; Relative humidity: 45%~75%; Air pressure: 86~106KPa. If there may be any doubt on the results, measurements shall be made within the following limits. Ambient temperature: 20±1℃; Relative humidity: 63%~67%; Air pressure: 86~106KPa.

## 6. 测试方法 Measuring ways and means

表 2 table 2

No	测试项目 Items	测试器具 Appliance	IL	AQL	性能要求 Specifications
1	外观检查 Appearance inspecting	目测 All eyes	S-4	0.65	无可见损伤，标志可辩 No damage, The marking shall be vindicable
2	尺寸 dimensions	游标卡尺 Vernier calipers			符合表1中规定 Table 1 shall be satisfied
3	电 容 量 Capacitance	TH2810D型LCR智能数字电桥测试仪	II	0.1	在规定偏差内 Capacitance tolerance shall be in fixed values
4	损耗角正切 Dissipation factor	TH2810D pattern LCR testing instrument			符合3.7条 Clause 3.7 shall be satisfied
5	耐电压（极间） Voltage proof	耐电压测试仪CC2671B型 CC2671B pattern voltage proof testing instrument			按3.5条无击穿或飞弧 Clause 3.5 shall be satisfied, there shall be no dielectric breakdown or other damage.
6	绝缘电阻（极间） Insulation resistance(the leads)	绝缘电阻测试仪:TH2681A型 TH2681A pattern Insulation resistance testing instrument			符合3.6条 Clause 3.6 shall be satisfied

注Note:

- 具体测试参照GB/T2693-2001，测试器具可用功能相同的其他型器具。  
Detailed measuring ways and means refer to GB/T2693-2001, measure appliance may be replaced by the others as same function.
- IL、AQL检查水平选自GB/T2828.1-2003。The check standard select from GB/T2828.1-2003.
- 电容量、损耗角正切测试电压：≤1.8Vrms。  
The testing voltage of Capacitance, Dissipation factor: ≤1.8Vrms.
- 绝缘电阻测试电压：10V( $U_R < 100V$ )；100V( $100V \leq U_R < 500V$ )；500V( $U_R \geq 500V$ )。  
The testing voltage of Insulation resistance: 10V( $U_R < 100V$ )；100V( $100V \leq U_R < 500V$ )；500V( $U_R \geq 500V$ )。