

规格承认书

SPECIFICATIONS FOR APPROVAL

客 户 : TR
CUSTOMER

项 目 : Plain Polyester film Capacitors PEI
ITEM : CL11

客 户 料 号 :
CUSTOMER'S PART NO

江 森 料 号 : JGS-CL11 (ROHS环保产品)
JIANGSEN 'S P/N

日 期 : 2020-4-23
ISSUED DATE

版 本 : A
EDITION



※ 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 :



江森森

江森科技

J ANGSEN TECHNOLOGY

CL11型聚酯膜介质直流固定电容器

CL11 POLYESTER 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~0.15μF

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

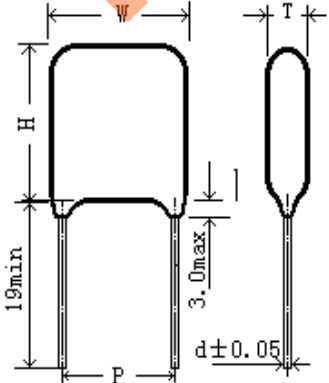
3.5 耐电压 Withstand Voltage: $2.5U_R$ 5s、高温 120℃, 漏电流 < 10mA (High temperature 120℃, Leakage current < 10mA)

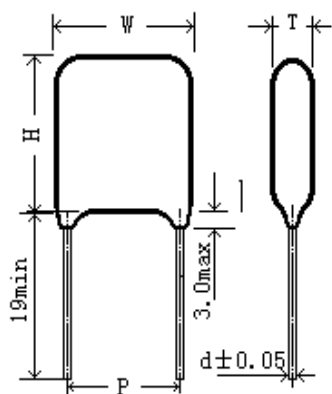
3.6 绝缘电阻Insulation Resistance: (引出极间Between Terminals) $\geq 30000M\Omega$ at 60s and 20℃

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)				
		$W \pm 1$	$H \pm 2.5$	$T \pm 1$	$P \pm 0.5$	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 μ F	6.5	10.5	4.5	4	0.5
CL11-100V-0.015 μ F	7.0	10.5	4.5	5.0	0.5
CL11-100V-0.022 μ F	8	10	5	5.0	0.5
CL11-100V-0.033 μ F	9.5	12	5	5.0	0.5
CL11-100V-0.047 μ F	8.0	10	4.0	5.0	0.5
CL11-100V-0.056 μ F	9.5	12.5	5	6	0.5
CL11-100V-0.068 μ F	9	13.0	5.0	6	0.5
CL11-100V-0.1 μ F	10	12.0	5.5	7.5	0.5
CL11-100V-0.15 μ F	11.5	16	8	7.5	0.5
CL11-100V-0.22 μ F	12	13.5	7	8	0.5
CL11-250V-0.022 μ F	7.5	12	4	6	0.5
CL11-250V-0.033 μ F	8.5	12.5	6.5	6	0.5
CL11-250V-0.047 μ F	10	14	6	7.5	0.5
CL11-250V-0.068 μ F	11.5	16	6.5	7.5	0.5
CL11-250V-0.1 μ F	14	16	9	8	0.5
CL11-400V-0.0022 μ F	6	11	4	4	0.5
CL11-400V-0.0047 μ F	7.5	13	4.5	5.5	0.5
CL11-400V-0.01 μ F	8	11	4	5	0.5
CL11-400V-0.022 μ F	7.5	12	4	6	0.5
CL11-400V-0.033 μ F	10	12.5	5.5	7	0.5
CL11-400V-0.047 μ F	11	14	6	7.5	0.5
CL11-400V-0.056 μ F	11	14	6.5	7.5	0.5
CL11-400V-0.1 μ F	14	16	7.5	10	0.5
CL11-630V0.001 μ F	6.5	11.5	3.5	4	0.5
CL11-630V-0.0022 μ F	7	11.5	4	4	0.5
CL11-630V-0.0047 μ F	10	14	5	7	0.5
CL11-630V0.01 μ F	11	12	6	7	0.5
CL11-630V-0.022 μ F	12	16	7	7.5	0.5
CL11-630V-0.047 μ F	12	16	7	8.5	0.5
CL11-1000V-0.0022 μ F	8.5	14	5	5	0.5
CL11-1000V-0.01 μ F	11	16	7	7	0.5
CL11-1200V-0.0012 μ F	7.5	13	4	5	0.5
CL11-1200V-0.0015 μ F	7.5	13	4.5	5	0.5
CL11-1200V-0.0022 μ F	8.5	13	4.5	5	0.5
CL11-1200V-0.0033 μ F	9	14	5.5	5.5	0.5
CL11-1200V-0.0039 μ F	9	14	5.5	5.5	0.5
CL11-1200V-0.0047 μ F	9	15	5.5	6.5	0.5
CL11-1200V-0.0068 μ 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:

- 1) 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.

- 2) IL、AQL检查水平选自GB/T2828.1-2003。The check standard select from GB/T2828.1-2003.

- 3) 电容量、损耗角正切测试电压：≤1.8Vrms。

The testing voltage of Capacitance, Dissipation factor: ≤1.8Vrms.

- 4) 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($U_R \geq 500V$)。