

# Product Specification

Number: L-KLS10-MPP-105J630-P27.5

Name: Mpp Metallized Polypropylene Film Capacitor

Specification: \_\_\_\_\_

Customer: D02

Date: 2020-09-03

Customer Signature:



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|         |        |        |          |
|---------|--------|--------|----------|
| Compile | Check  | Review | Approval |
| Jenny   | Jack.C |        |          |

# MPP金属化聚丙烯膜抗干扰电容器

## MPP METALLIZED POLYPROPYLENE FILM CAPACITOR

### 1 主要应用 Typical applications

广泛使用于电源跨线路等抗干扰场合。

Widely used in by-passing 、 pulse coupling、 blocking coupling、 decoupling 、 timing、 oscillator circuits

### 2 一般数据 General Technical Data

电介质Dielectric: 聚丙烯膜 Polypropylene film

电极 Plates: 通过真空蒸发沉积在膜上的金属层Metal layer deposited by evaporation under vacuum

卷绕Winding: 无感卷绕型Non-inductive type 引线leads: CP引线 CP wire

外包封Protection: 阻燃外壳灌装 Flame relardant box coating

电容量Capacitance, 电容量偏差 Tolerance, 额定电压rated voltage

### 3 引用标准: Standards

IEC384-1 IEC384-14 GB2693 GB/T14472

### 4. 性能特性Characteristics

4.1 气候类别Climate Category: 40/100/21

4.2 额定电压Rated Voltage: 275VAC、

4.3 电容量范围Capacitance Range: 0.01~3.3μF

4.4 电容量偏差Capacitance Tolerance: J (±5%) (at 20±10℃, 1kHz)

4.5 耐电压Withstand Voltage: 直流 4.5UR 2sec

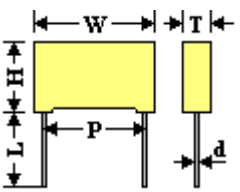
4.6 绝缘电阻Insulation Resistance :  $C_R \leq 0.33 \mu F$ ,  $\geq 15000 M \Omega$  (at 60s and 20℃)

$C_R > 0.33 \mu F$   $\geq 5000 s$  (at 60s and 20℃)

4.7 损耗角正切Dissipation factor:  $\leq 0.008$  (at 1kHz and 20℃)

### 5. 外形及尺寸External shape dimensions

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

| 外形<br>External shape                                                                | 型号规格<br>Type spec                                                    | 尺寸±1（mm） dimensions |      |      |      |        |
|-------------------------------------------------------------------------------------|----------------------------------------------------------------------|---------------------|------|------|------|--------|
|                                                                                     |                                                                      | W                   | H    | T    | P    | d±0.02 |
|  | L-KLS10-MPP-105J630-P27.5                                            | 32.0                | 23.0 | 13.0 | 27.5 | 0.80   |
|                                                                                     |                                                                      |                     |      |      |      |        |
|                                                                                     |                                                                      |                     |      |      |      |        |
|                                                                                     |                                                                      |                     |      |      |      |        |
|                                                                                     |                                                                      |                     |      |      |      |        |
|                                                                                     |                                                                      |                     |      |      |      |        |
|                                                                                     |                                                                      |                     |      |      |      |        |
|                                                                                     | 根据需要，可增加其他电容量规格产品<br>If you want other specs, please contact with us |                     |      |      |      |        |

6 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 follow: Ambient temperature: 15～35℃; Relative humidity: 45%～75%; Air pressure: 86～106 Kpa.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 Table2

| NO | 测试项目Items                       | 测试器具Appliance                                                      | IL  | AQL | 性能要求Specifications                                              |
|----|---------------------------------|--------------------------------------------------------------------|-----|-----|-----------------------------------------------------------------|
| 1  | 外观检查<br>Appearance inspecting   | 目测<br>All eyes                                                     | S-4 | 2.5 | 无可见损伤，标志可辩<br>No damage, The marking sha ll be vindicable       |
| 2  | 尺寸<br>dimensions                | 游标卡尺<br>Vernier calipers                                           |     |     | 符合表1中规定<br>Table 1 shall be satisfied                           |
| 3  | 电容量<br>Capacitance              | TE2617A型LCR测试仪<br>TE2617Apattern LCR testing instrument            | II  | 1.0 | 在规定偏差内<br>Capacitance tolerance shall be in fixed values        |
| 4  | 损耗角正切<br>Dissipation factor     |                                                                    |     |     | 符合4.7条<br>Clause4.7 shall be satisfied                          |
| 5  | 耐电压（极间）<br>Voltage proof        | 耐压测试仪CS2672S型<br>CS2672Spattern voltage proof testing instrument   |     |     | 按4.5条无击穿或飞弧<br>shall be no dielectric breakdown or other damage |
| 6  | 绝缘电阻（极间）<br>Insulation resistan | TH2681型绝缘电阻测试仪<br>TH2681 Insulation resistance testing instrument- |     |     | 符合4.6条<br>Clause4.6 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) 电容器、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：100V（100V≤UR<500V）;500V(UR≥500V).

The testing voltage of Insulation resistance: 100V（100V≤UR<500V）;500V(UR≥500V).