

产品承认书  
APPROVAL SHEET

客户料号:

Part Number

客 户:

CUSTOMERS

品 名:

DESCRIPTION

铝电解电容

规 格:

SERIES

KM 47UF400V 13X21

供应商料号

Supplier PN:

47uF400V13x21KM

日 期:

DATE

2025/7/7

|                                                                                     |                   |
|-------------------------------------------------------------------------------------|-------------------|
| 发行单位<br>ISSUE DEPARTMENT                                                            |                   |
|  |                   |
| 制作<br>PREPARED BY                                                                   | 侯业刚<br>HOU YEGANG |
| 批准<br>APPROVED                                                                      | 胡俊波<br>HU JUNBO   |

|                              |  |
|------------------------------|--|
| 客户承认栏<br>APPROVED COLUMN     |  |
| 合格 <input type="checkbox"/>  |  |
| 不合格 <input type="checkbox"/> |  |
| 审核<br>CHECKED                |  |
| 批准<br>APPROVED               |  |

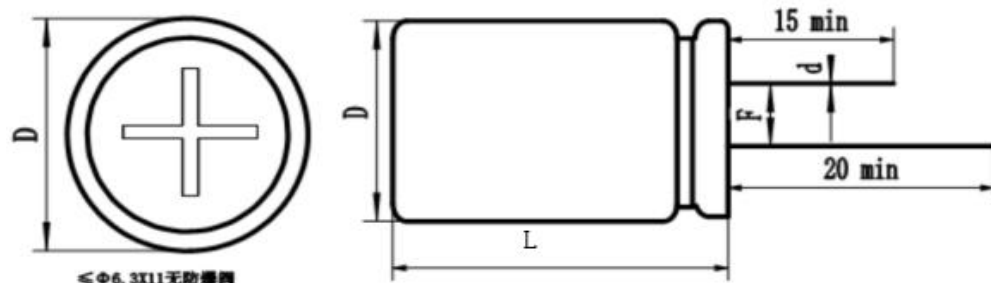
贵司确认后, 敬请回签一份 (After your confirmation, please sign back)

工厂地址: 湖北省荆门市京山市京源东路45号

Email: miran-electronics@126.com

表单编号: QA-09

## 1. 外形尺寸图 (Dimensions) : 单位: mm



|   |      |        |
|---|------|--------|
| D | 13.0 | ± 0.5  |
| L | 21.0 | ± 1.5  |
| F | 5.0  | ± 0.5  |
| d | 0.6  | ± 0.05 |
|   |      |        |
|   |      |        |

## 2. 部品规格特性表 (电容测试条件: 25±5℃ 湿度65%±5%, 容量\损失测试频率120HZ)

| 客户料号        | 系列     | 标准容量      | 额定电压   | 尺寸        | 容差              | 损失角        | 漏电流         | 阻抗         | 寿命         | 纹波电流              | 浪涌电压          | 套管      | 加工形式 | 工作温度                    |
|-------------|--------|-----------|--------|-----------|-----------------|------------|-------------|------------|------------|-------------------|---------------|---------|------|-------------------------|
| Part Number | Series | CAP. (uF) | WV (V) | SIZE      | Tolerance/120HZ | D. F/120HZ | LC (uA) 60s | 100KHz (Ω) | life (Hrs) | R. C. mA120Hz105℃ | surge voltage | Sleeve  | B    | working temperature (℃) |
|             | KM     | 47.0      | 400    | 13.0 X 21 | - 20 % ~ 20 %   | 15         | 564.0       | /          | 2000       | 280               | 450           | 黑底白字PET | 长脚   | -25~+105                |
| 备注          |        |           |        |           |                 |            |             |            |            |                   |               |         |      |                         |

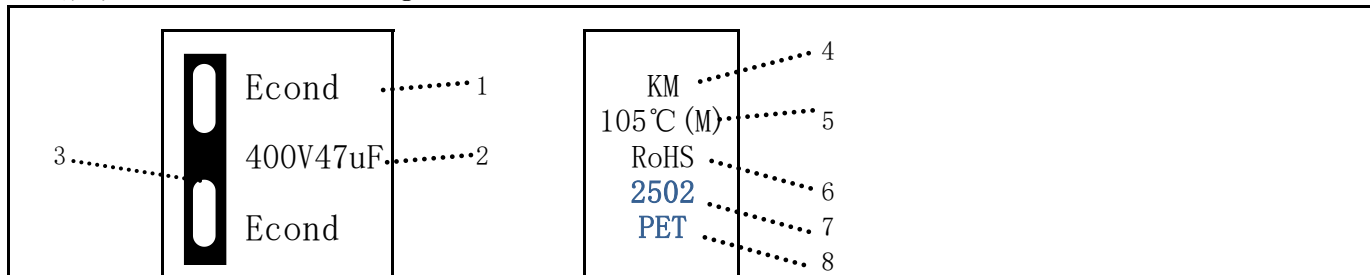
### 纹波电流系数 (Multiplier for ripple current) :

| Freq         | 50Hz/60Hz | 120Hz | 1KHz | 10KHz | 50~100KHz |
|--------------|-----------|-------|------|-------|-----------|
| CAP≤10       | 0.65      | 1.00  | 1.75 | 2.3   | 2.50      |
| 10<CAP≤100   | 0.75      | 1.00  | 1.5  | 1.75  | 1.80      |
| 100<CAP≤1000 | 0.80      | 1.00  | 1.3  | 1.4   | 1.40      |
| CAP>1000     | 0.85      | 1.00  | 1.05 | 1.08  | 1.08      |

### 纹波温度系数 Multiplier for ripple current vs temperature

| Temperatrue (℃) | ≤45  | 60   | 70   | 85  | 95   | 105  |
|-----------------|------|------|------|-----|------|------|
| Multiplier      | 2.30 | 2.10 | 2.00 | 1.7 | 1.40 | 1.00 |

### 3. 胶管标识示意图(Marking):



NO. 代表内容 Item

1. 公司商标 (Logo)

2. 电容器规格 (额定电压和容量) Capacitance and Rated Vlotage

3. 负极表示带 Polarity bar

4. 产品系列 (Series)

5. 工作最高温度与容量范围 (Operating Temperature Range and Capacitance Tolerance )

6. 环保标识 (RoHS)

7. 生产周期:如“ 2502 ”其中 25 代表 2025年; 02 代表 02 月份生产.

8. 胶管材质

## 5.1试验项目 Test item

| NO                        | 项 目<br>Items                                                             | 条 件<br>Conditions                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 规 格<br>Specifications                                                                                                                                                        |                |                |                                  |      |     |      |                                  |      |                           |      |                           |   |   |                                                                                                                                                              |   |   |   |                     |     |     |     |     |     |     |     |  |                           |   |   |   |   |   |   |   |  |  |
|---------------------------|--------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|----------------|----------------------------------|------|-----|------|----------------------------------|------|---------------------------|------|---------------------------|---|---|--------------------------------------------------------------------------------------------------------------------------------------------------------------|---|---|---|---------------------|-----|-----|-----|-----|-----|-----|-----|--|---------------------------|---|---|---|---|---|---|---|--|--|
| 1                         | 最大允许纹波电流<br>Maximum permissible ripple current                           | Temperature:105±2℃<br>Voltage :DC.Voltage+peak ripple voltage≤Rated voltage.<br>Ripple frequency: 120Hz                                                                                                                                                                                                                                                                                                                                                                                                                               | Refer to table                                                                                                                                                               |                |                |                                  |      |     |      |                                  |      |                           |      |                           |   |   |                                                                                                                                                              |   |   |   |                     |     |     |     |     |     |     |     |  |                           |   |   |   |   |   |   |   |  |  |
| 2                         | 浪涌<br>Surge                                                              | Temperature:105±2℃<br>Applied voltage: see specification<br>"ON" position : 30 seconds<br>"OFF" position :5 minutes 30 seconds.<br>Duration : 1000 cycles                                                                                                                                                                                                                                                                                                                                                                             | 1.No electrical or mechanical damage.<br>2.Capacitance change within ±15%.<br>3.D.F.smaller than specification volue.<br>4.Leakage current smaller than specification value. |                |                |                                  |      |     |      |                                  |      |                           |      |                           |   |   |                                                                                                                                                              |   |   |   |                     |     |     |     |     |     |     |     |  |                           |   |   |   |   |   |   |   |  |  |
| 3                         | 温度循环<br>Temperature Cycle                                                | <table><tr><td rowspan="5">One Cycle</td><td>Temperature(℃)</td><td>Time (minutes)</td></tr><tr><td>Rated low category temperature±3</td><td>30±3</td></tr><tr><td>25℃</td><td>3MAX</td></tr><tr><td>Rated low category temperature±3</td><td>30±3</td></tr><tr><td>25℃</td><td>3MAX</td></tr><tr><td colspan="3">Total number of cycles: 5</td></tr></table>                                                                                                                                                                         | One Cycle                                                                                                                                                                    | Temperature(℃) | Time (minutes) | Rated low category temperature±3 | 30±3 | 25℃ | 3MAX | Rated low category temperature±3 | 30±3 | 25℃                       | 3MAX | Total number of cycles: 5 |   |   | 1.No appearance defect.<br>2.Capacitance change within ±5%<br>3.D.F.smaller than specification value.<br>4.Leakage current smaller than specification value. |   |   |   |                     |     |     |     |     |     |     |     |  |                           |   |   |   |   |   |   |   |  |  |
| One Cycle                 | Temperature(℃)                                                           | Time (minutes)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                              |                |                |                                  |      |     |      |                                  |      |                           |      |                           |   |   |                                                                                                                                                              |   |   |   |                     |     |     |     |     |     |     |     |  |                           |   |   |   |   |   |   |   |  |  |
|                           | Rated low category temperature±3                                         | 30±3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                              |                |                |                                  |      |     |      |                                  |      |                           |      |                           |   |   |                                                                                                                                                              |   |   |   |                     |     |     |     |     |     |     |     |  |                           |   |   |   |   |   |   |   |  |  |
|                           | 25℃                                                                      | 3MAX                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                              |                |                |                                  |      |     |      |                                  |      |                           |      |                           |   |   |                                                                                                                                                              |   |   |   |                     |     |     |     |     |     |     |     |  |                           |   |   |   |   |   |   |   |  |  |
|                           | Rated low category temperature±3                                         | 30±3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                              |                |                |                                  |      |     |      |                                  |      |                           |      |                           |   |   |                                                                                                                                                              |   |   |   |                     |     |     |     |     |     |     |     |  |                           |   |   |   |   |   |   |   |  |  |
|                           | 25℃                                                                      | 3MAX                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                              |                |                |                                  |      |     |      |                                  |      |                           |      |                           |   |   |                                                                                                                                                              |   |   |   |                     |     |     |     |     |     |     |     |  |                           |   |   |   |   |   |   |   |  |  |
| Total number of cycles: 5 |                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                              |                |                |                                  |      |     |      |                                  |      |                           |      |                           |   |   |                                                                                                                                                              |   |   |   |                     |     |     |     |     |     |     |     |  |                           |   |   |   |   |   |   |   |  |  |
| 4                         | 耐焊接热<br>Resistance to Soldering Heat                                     | Warm up time :120±2 seconds to reach 120±2℃<br>Solder bath temperature: 260±5℃.<br>Solder bath composition: Sn-96.5%.<br>Ag-3.0%<br>Cu-0.5%<br>Immersion depth: 1.5 to 2.0mm<br>Immersion duration: 10±1 seconds                                                                                                                                                                                                                                                                                                                      | 1.No appearance defect.<br>2.Capacitance change within ±5%<br>3.D.F.smaller than specification value.<br>4.Leakage current smaller than specification value.                 |                |                |                                  |      |     |      |                                  |      |                           |      |                           |   |   |                                                                                                                                                              |   |   |   |                     |     |     |     |     |     |     |     |  |                           |   |   |   |   |   |   |   |  |  |
| 5                         | 可焊性<br>Solder Ability                                                    | Solder bath temperature: 235±5℃.<br>Solder bath composition: Sn-96.5%.<br>Immersion depth: 1.5 to 2.0mm<br>Immersion duration: 10±1 seconds                                                                                                                                                                                                                                                                                                                                                                                           | A minimum of 95% the immersed surface is to be coated with the new solder                                                                                                    |                |                |                                  |      |     |      |                                  |      |                           |      |                           |   |   |                                                                                                                                                              |   |   |   |                     |     |     |     |     |     |     |     |  |                           |   |   |   |   |   |   |   |  |  |
| 6                         | 低温特性<br>(最大阻抗比)<br>Low Temperature Charcteriestics(Max.I mpedance Ratio) | <table><tr><td>working Voltage (v)</td><td>6.3</td><td>10</td><td>16</td><td>25</td><td>35</td><td>50</td><td>63</td><td>100</td></tr><tr><td>Impedance Z(-40℃)/Z(+20℃)</td><td>8</td><td>6</td><td>4</td><td>3</td><td>3</td><td>3</td><td>3</td><td>3</td></tr><tr><td>working Voltage (v)</td><td>160</td><td>200</td><td>250</td><td>350</td><td>400</td><td>420</td><td>450</td><td></td></tr><tr><td>Impedance Z(-25℃)/Z(+20℃)</td><td>3</td><td>3</td><td>4</td><td>4</td><td>6</td><td>6</td><td>8</td><td></td></tr></table> | working Voltage (v)                                                                                                                                                          | 6.3            | 10             | 16                               | 25   | 35  | 50   | 63                               | 100  | Impedance Z(-40℃)/Z(+20℃) | 8    | 6                         | 4 | 3 | 3                                                                                                                                                            | 3 | 3 | 3 | working Voltage (v) | 160 | 200 | 250 | 350 | 400 | 420 | 450 |  | Impedance Z(-25℃)/Z(+20℃) | 3 | 3 | 4 | 4 | 6 | 6 | 8 |  |  |
| working Voltage (v)       | 6.3                                                                      | 10                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 16                                                                                                                                                                           | 25             | 35             | 50                               | 63   | 100 |      |                                  |      |                           |      |                           |   |   |                                                                                                                                                              |   |   |   |                     |     |     |     |     |     |     |     |  |                           |   |   |   |   |   |   |   |  |  |
| Impedance Z(-40℃)/Z(+20℃) | 8                                                                        | 6                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 4                                                                                                                                                                            | 3              | 3              | 3                                | 3    | 3   |      |                                  |      |                           |      |                           |   |   |                                                                                                                                                              |   |   |   |                     |     |     |     |     |     |     |     |  |                           |   |   |   |   |   |   |   |  |  |
| working Voltage (v)       | 160                                                                      | 200                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 250                                                                                                                                                                          | 350            | 400            | 420                              | 450  |     |      |                                  |      |                           |      |                           |   |   |                                                                                                                                                              |   |   |   |                     |     |     |     |     |     |     |     |  |                           |   |   |   |   |   |   |   |  |  |
| Impedance Z(-25℃)/Z(+20℃) | 3                                                                        | 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 4                                                                                                                                                                            | 4              | 6              | 6                                | 8    |     |      |                                  |      |                           |      |                           |   |   |                                                                                                                                                              |   |   |   |                     |     |     |     |     |     |     |     |  |                           |   |   |   |   |   |   |   |  |  |

## 5.2试验项目 Test item

|                                        |                                                                              |                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                           |                            |                                                                                                                                                                              |                            |                     |                  |           |            |                  |                                                                |                                                                                                                                                             |        |
|----------------------------------------|------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|---------------------|------------------|-----------|------------|------------------|----------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|
| 7                                      | 高湿度储存<br>High Humidity storage                                               | Temperature:40±2℃<br>Relative humidity :90 to 95%<br>Duration : 240±8 hours                                                                                                                                                                                                                  |                                                                                                                                                                                                                           |                            | 1.No electrical or mechanical damage.<br>2.Capacitance change within ±15%.<br>3.D.F.smaller than specification volue.<br>4.Leakage current smaller than specification volue. |                            |                     |                  |           |            |                  |                                                                |                                                                                                                                                             |        |
| 8                                      | 防爆<br>Vent                                                                   | Conduct under normal lighting for lab work<br><table><tr><td>Capacitor diameter</td><td>Applied current(A)</td><td>Minutes</td></tr><tr><td>Less than 22.4mm</td><td>1</td><td rowspan="2">within 30</td></tr><tr><td>More than 22.5mm</td><td>10</td></tr></table>                          |                                                                                                                                                                                                                           |                            | Capacitor diameter                                                                                                                                                           | Applied current(A)         | Minutes             | Less than 22.4mm | 1         | within 30  | More than 22.5mm | 10                                                             | There shall be no explosion,flash,flame,spark or fire from the capacitor during or after the test,nor shall there be expulsion of any metal from the casing |        |
| Capacitor diameter                     | Applied current(A)                                                           | Minutes                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                           |                            |                                                                                                                                                                              |                            |                     |                  |           |            |                  |                                                                |                                                                                                                                                             |        |
| Less than 22.4mm                       | 1                                                                            | within 30                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                           |                            |                                                                                                                                                                              |                            |                     |                  |           |            |                  |                                                                |                                                                                                                                                             |        |
| More than 22.5mm                       | 10                                                                           |                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                           |                            |                                                                                                                                                                              |                            |                     |                  |           |            |                  |                                                                |                                                                                                                                                             |        |
| 9                                      | 端子强度: 拉伸度/弯曲强度<br>Terminal strength: Tensile testintensity/winding intensity | 拉伸度<br>Tensile testintensity                                                                                                                                                                                                                                                                 | <table><tr><td>Diameter of terminnal (mm)</td><td>Tensile Strength(n)</td><td>continuedtime</td></tr><tr><td>0.5≧d≤0.8</td><td>10</td><td rowspan="2">10±1sec</td></tr><tr><td>0.8&lt;d≤1.25</td><td>20</td></tr></table> | Diameter of terminnal (mm) | Tensile Strength(n)                                                                                                                                                          | continuedtime              | 0.5≧d≤0.8           | 10               | 10±1sec   | 0.8<d≤1.25 | 20               | 1.No electrical or mechanical damage<br>2.No appearance damage |                                                                                                                                                             |        |
|                                        | Diameter of terminnal (mm)                                                   | Tensile Strength(n)                                                                                                                                                                                                                                                                          | continuedtime                                                                                                                                                                                                             |                            |                                                                                                                                                                              |                            |                     |                  |           |            |                  |                                                                |                                                                                                                                                             |        |
| 0.5≧d≤0.8                              | 10                                                                           | 10±1sec                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                           |                            |                                                                                                                                                                              |                            |                     |                  |           |            |                  |                                                                |                                                                                                                                                             |        |
| 0.8<d≤1.25                             | 20                                                                           |                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                           |                            |                                                                                                                                                                              |                            |                     |                  |           |            |                  |                                                                |                                                                                                                                                             |        |
|                                        | 弯曲强度<br>winding intensity                                                    | <table><tr><td colspan="3">2bends (Bend 180 degrees for a round )</td></tr><tr><td>Diameter of terminnal (mm)</td><td>winding Strength(n)</td><td>Awl quality</td></tr><tr><td>0.5≧d≤0.8</td><td>5</td><td>0.51kg</td></tr><tr><td>0.8&lt;d≤1.25</td><td>10</td><td>1.02kg</td></tr></table> | 2bends (Bend 180 degrees for a round )                                                                                                                                                                                    |                            |                                                                                                                                                                              | Diameter of terminnal (mm) | winding Strength(n) | Awl quality      | 0.5≧d≤0.8 | 5          | 0.51kg           | 0.8<d≤1.25                                                     | 10                                                                                                                                                          | 1.02kg |
| 2bends (Bend 180 degrees for a round ) |                                                                              |                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                           |                            |                                                                                                                                                                              |                            |                     |                  |           |            |                  |                                                                |                                                                                                                                                             |        |
| Diameter of terminnal (mm)             | winding Strength(n)                                                          | Awl quality                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                           |                            |                                                                                                                                                                              |                            |                     |                  |           |            |                  |                                                                |                                                                                                                                                             |        |
| 0.5≧d≤0.8                              | 5                                                                            | 0.51kg                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                           |                            |                                                                                                                                                                              |                            |                     |                  |           |            |                  |                                                                |                                                                                                                                                             |        |
| 0.8<d≤1.25                             | 10                                                                           | 1.02kg                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                           |                            |                                                                                                                                                                              |                            |                     |                  |           |            |                  |                                                                |                                                                                                                                                             |        |
| 10                                     | 振动<br>Vibration                                                              | Frequency range : 10 Hz to 55 Hz<br>Amplitude :1.5 mm<br>Cycle definition:10Hz to 55 Hz and back to 10Hz<br>Cycle duration :1 minute.<br>Duration :2 hours per direction (3directions)                                                                                                       |                                                                                                                                                                                                                           |                            | 1.No electrical or mechanical damage<br>2.No appearance damage                                                                                                               |                            |                     |                  |           |            |                  |                                                                |                                                                                                                                                             |        |
| 11                                     | 高温负荷<br>Endurance                                                            | Capacitors are placed in an oven and applied voltage for 2000 hours at 105℃.After being restored to 25℃, capacitors shall meet the specifications                                                                                                                                            |                                                                                                                                                                                                                           |                            | 1.Capacitance change within ±20% of the initial value.<br>2.D.F.change within ±200% of the specified value.<br>3.Leakage current smaller than specification value.           |                            |                     |                  |           |            |                  |                                                                |                                                                                                                                                             |        |
| 12                                     | 高温储存<br>Shelf Life                                                           | Capacitors are placed in an oven for 1000 hours at 105 ℃without applying rated working voltage.After being restored to 25℃,capacitors shall meet the specifications                                                                                                                          |                                                                                                                                                                                                                           |                            | 1.Capacitance change within ±20% of the initial value.<br>2.D.F.change within ±200% of the specified value.<br>3.Leakage current within ±200% of the specification value.    |                            |                     |                  |           |            |                  |                                                                |                                                                                                                                                             |        |

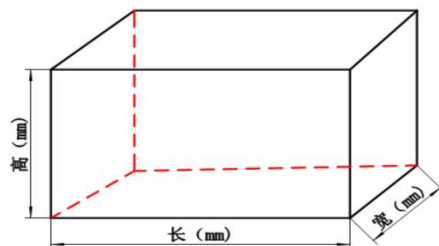
### 6. 包装方式 (Packing)

#### 6.1 散料包装: 散料包装包含长脚和短脚包装, 具体如下:

| 电容尺寸<br>DXL (mm) | 长脚                     |          | 短脚                     |          |
|------------------|------------------------|----------|------------------------|----------|
|                  | 包装袋尺寸 (长x宽): 220*200mm |          | 包装袋尺寸 (长x宽): 200*180mm |          |
|                  | 每袋数量 (pcs)             | 每箱数量 (K) | 每袋数量 (pcs)             | 每箱数量 (K) |
| 3X5-4X7          | 2000                   | 96       | 2000                   | 96       |
| 5X7              | 1000                   | 40       | 1000                   | 40       |
| 5X9-11           | 1000                   | 40       | 1000                   | 32       |
| 6. 3X7           | 1000                   | 40       | 1000                   | 40       |
| 6. 3X9-15        | 1000                   | 32       | 1000                   | 24       |
| 8X7-9            | 1000                   | 40       | 1000                   | 24       |
| 8X10-13          | 500                    | 20       | 500                    | 16       |
| 8X13.5-15        | 500                    | 16       | 500                    | 16       |
| 8X15.5-16.5      | 500                    | 16       | 500                    | 12       |
| 8X20-10X13       | 500                    | 12       | 500                    | 12       |
| 10X14-17         | 400                    | 9.6      | 400                    | 9.6      |
| 10X20-26         | 300                    | 7.2      | 300                    | 7.2      |
| 13X14-22         | 200                    | 4.8      | 200                    | 4.8      |
| 13X24-26         | 100                    | 3.2      | 100                    | 4        |
| 13X30-31         | 100                    | 2        | 100                    | 3.2      |
| 16X18-22         | 100                    | 2.4      | 100                    | 3.2      |
| 16X25-28         | 100                    | 3.2      | 100                    | 3.2      |
| 16X30-18X26      | 100                    | 2.4      | 100                    | 2.4      |
| 18X28-36         | 50                     | 1.6      | 50                     | 1.6      |
| 18X40            | 50                     | 1.2      | 50                     | 1.2      |
| 22X24-38         | 25                     | 0.8      | 25                     | 0.8      |



散料尺寸示意图 (上)

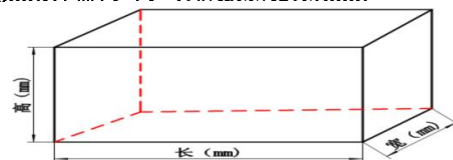


外箱尺寸示意图 (上)

散料包装外箱尺寸 (长X宽X高):  
420X327X270mm

#### 6.2 编带包装: 编带为统一包装方式: 每箱固定装10盒, 内盒尺寸345X235X55 (mm); 外盒尺寸: 490X355X295 (mm)

| 电容拍别 | 每盒数量<br>(pcs) | 每箱盒数 | 每箱数量<br>(K) | 备注   |
|------|---------------|------|-------------|------|
| 4    | 2500          | 10   | 25          |      |
| 5    | 2000          | 10   | 20          |      |
| 6. 3 | 1500          | 10   | 15          |      |
| 8    | 1000          | 10   | 10          |      |
| 10   | 600           | 10   | 6           | 每行空一 |
| 13   | 400           | 10   | 4           | 编一隔一 |



内盒尺寸 (长X宽X高): 345X235X55 外  
盒尺寸 (长X宽X高): 490X355X295

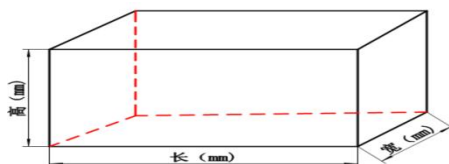
#### 6.3 排盒包装:

##### 1. 排盒包装标准:

| 拍别 (mm) | 内盒选择              | 内盒品种 | 每排数量 | 每盒排数 | 每盒数量 | 每箱盒数 | 每箱数量 | 内盒隔板数 |
|---------|-------------------|------|------|------|------|------|------|-------|
| 13Φ     | 内盒选择寸<br>依据产品尺寸而定 | 高盒   | 22   | 14   | 308  | 6    | 1848 | 单条/2排 |
|         |                   | 中盒   |      |      |      | 8    | 2464 | 单条/2排 |
|         |                   | 低盒   |      |      |      | 12   | 3696 | 单条/2排 |
| 16Φ     | 内盒选择寸<br>依据产品尺寸而定 | 高盒   | 18   | 12   | 216  | 6    | 1296 | 单条/2排 |
|         |                   | 中盒   |      |      |      | 8    | 1728 | 单条/2排 |
|         |                   | 低盒   |      |      |      | 12   | 2592 | 单条/2排 |
| 18Φ     | 内盒选择寸<br>依据产品尺寸而定 | 高盒   | 16   | 10   | 160  | 6    | 960  | 单条/2排 |
|         |                   | 中盒   |      |      |      | 8    | 1280 | 单条/2排 |
|         |                   | 低盒   |      |      |      | 12   | 1920 | 单条/2排 |
| 22Φ     | 内盒选择寸<br>依据产品尺寸而定 | 高盒   | 13   | 9    | 117  | 6    | 702  | 双条/3排 |
|         |                   | 中盒   |      |      |      | 8    | 936  | 双条/3排 |
|         |                   | 低盒   |      |      |      | 12   | 1404 | 双条/3排 |

##### 2. 内盒、隔条、外箱 {长X宽X高 (mm)}

| 内盒型号 | 内盒尺寸 (mm)  | 隔条尺寸 (mm) | 每大箱装盒数 (盒) | 外箱尺寸 (mm)   |
|------|------------|-----------|------------|-------------|
| 高盒   | 305*200*65 | 300*62    | 6          | 420*310*215 |
| 中盒   | 305*200*45 | 300*42    | 8          |             |
| 低盒   | 305*200*30 | 300*30    | 12         |             |



### 7. 铝电解电容器仓储条件:

- ① 仓储温度:  $\leq 35^{\circ}\text{C}$       ② 仓储湿度:  $\leq 75\text{RH}\%$       ③ 电容存储有效期: 一年 (超过一年需要重新充电)