

# 液态小型铝电解电容器产品编码规则



1 2 3

| 系列      | 代码      |
|---------|---------|
| L3M     | L3M     |
| LMM     | LMM     |
| LK7     | LK7     |
| LK      | OLK     |
| KCX     | KCX     |
| KCG     | KCG     |
| KCM     | KCM     |
| LKF     | LKF     |
| LKM     | LKM     |
| LKG     | LKG     |
| LKZ     | LKZ     |
| LLK     | LLK     |
| LKX     | LKX     |
| LKL     | LKL     |
| IKI (R) | IKI (R) |
| LKJ     | LKJ     |
| LKD     | LKD     |
| V4M     | V4M     |
| V3MC    | V3MC    |
| V3M     | V3M     |
| VMM     | VMM     |
| VK7     | VK7     |
| VKO     | VKO     |
| VKM     | VKM     |
| VKG     | VKG     |
| VKL     | VKL     |
| VKL(R)  | VKL(R)  |

4 5 6 7

| 产品直径 | 代码 | 产品高度 | 代码  |
|------|----|------|-----|
| 3.5  | F  | 3.95 | 039 |
| 3.55 | W  | 4.5  | 045 |
| 4    | A  | 5    | 050 |
| 4.5  | G  | 5.4  | 054 |
| 5    | B  | 5.7  | 057 |
| 5.5  | H  | 5.8  | 058 |
| 6.3  | C  | 6.5  | 065 |
| 7    | T  | 7    | 070 |
| 8    | D  | 7.7  | 077 |
| 10   | E  | 8    | 080 |
| 12.5 | L  | 8.5  | 085 |
| 13   | S  | 9    | 090 |
| 16   | I  | 9.5  | 095 |
| 18   | J  | 10   | 100 |
| 20   | N  | 10.5 | 105 |
| 22   | K  | 11   | 110 |
| 25   | M  | 11.5 | 115 |
|      |    | 12   | 120 |
|      |    | 12.5 | 125 |
|      |    | 13   | 130 |
|      |    | 13.5 | 135 |
|      |    | 14   | 140 |
|      |    | 14.5 | 145 |
|      |    | 15   | 150 |
|      |    | 16   | 160 |
|      |    | 16.5 | 165 |
|      |    | 17   | 170 |
|      |    | 18   | 180 |
|      |    | 19   | 190 |
|      |    | 20   | 200 |
|      |    | 21   | 210 |
|      |    | 22   | 220 |
|      |    | 23   | 230 |
|      |    | 25   | 250 |
|      |    | 28   | 280 |
|      |    | 30   | 300 |
|      |    | 31.5 | 315 |
|      |    | 32   | 320 |
|      |    | 35.5 | 355 |
|      |    | 36   | 360 |
|      |    | 40   | 400 |
|      |    | 41.5 | 415 |
|      |    | 45   | 450 |
|      |    | 50   | 500 |

8 9

| 额定电压(V) | 代码 |
|---------|----|
| 6.3     | 0J |
| 10      | 1A |
| 16      | 1C |
| 20      | 1D |
| 25      | 1E |
| 27      | 1N |
| 35      | 1V |
| 40      | 1G |
| 50      | 1H |
| 63      | 1J |
| 70      | 1L |
| 80      | 1K |
| 90      | 1F |
| 100     | 2A |
| 110     | 2R |
| 120     | 2K |
| 125     | 2B |
| 130     | 1Q |
| 140     | 2Q |
| 160     | 2C |
| 180     | 2M |
| 200     | 2D |
| 250     | 2E |
| 270     | 2N |
| 300     | 2S |
| 315     | 2F |
| 320     | 1U |
| 330     | 2U |
| 350     | 2V |
| 375     | 2P |
| 400     | 2G |
| 420     | 2T |
| 450     | 2W |
| 480     | 2L |
| 500     | 2H |
| 550     | 2I |
| 600     | 2J |
| 630     | 2Y |
| 650     | 2X |

10 11 12

| 静电容量(μF) | 代码  |
|----------|-----|
| 0.1      | R10 |
| 0.22     | R22 |
| 0.33     | R33 |
| 0.47     | R47 |
| 0.56     | R56 |
| 0.68     | R68 |
| 0.82     | R82 |
| 1.0      | 1R0 |
| 2.2      | 2R2 |
| 3.3      | 3R3 |
| 4.7      | 4R7 |
| 5.6      | 5R6 |
| 6.8      | 6R8 |
| 8.2      | 8R2 |
| 10       | 100 |
| 22       | 220 |
| 33       | 330 |
| 47       | 470 |
| 56       | 560 |
| 68       | 680 |
| 82       | 820 |
| 100      | 101 |
| 220      | 221 |
| 330      | 331 |
| 470      | 471 |
| 560      | 561 |
| 680      | 681 |
| 820      | 821 |
| 1000     | 102 |
| 1500     | 152 |
| 2200     | 222 |
| 3300     | 332 |
| 4700     | 472 |
| 6800     | 682 |
| 10000    | 103 |
| 22000    | 223 |
| 33000    | 333 |

13

| 容量范围      | 代码 |
|-----------|----|
| ±20%      | M  |
| ±10%      | K  |
| 0%~+10%   | R  |
| 0%~-10%   | T  |
| -10%~+20% | V  |
| -20%~+5%  | L  |
| -10%~+5%  | G  |
| -10%~+15% | H  |
| 0%~+40%   | I  |
| ±15%      | J  |
| -20%~+50% | A  |
| -5%~-20%  | B  |
| -5%~+20%  | E  |
| -15%~+5%  | C  |
| -15%~-5%  | D  |
| 0%~+20%   | F  |
| 0%~+15%   | N  |
| -5%~+15%  | W  |
| -20%~+0%  | S  |
| -20%~+10% | P  |
| 0%~+5%    | Q  |

14

| 附属码(国内)  |                     |
|----------|---------------------|
| O        | 引线30F/35F           |
| H        | 引线33F/38F           |
| F        | 引线22F/27F           |
| A        | 切直脚A图               |
| B        | 切脚成型B图              |
| C        | 切脚成型C图              |
| D        | 切脚成型D图              |
| E        | 切脚成型E图              |
| Q        | 切脚折弯90°<br>F图A型(右)  |
| P        | 切脚折弯90°<br>F图B型(左)  |
| X        | 切脚成型G图              |
| g        | 切脚双折弯90°<br>H图A型(右) |
| f        | 切脚双折弯90°<br>H图B型(左) |
| K        | 编带A图                |
| J        | 编带B图                |
| V        | SMD                 |
| TM       | 涂膜                  |
| CG       | 车规                  |
| 附属码(IND) |                     |
| 2        | 引线30F/35F           |
| 3        | 引线33F/38F           |
| 4        | 切直脚A图               |
| 5        | 切脚成型B图              |
| 6        | 切脚成型C图              |
| 7        | 切脚成型D图              |
| 8        | 切脚成型E图              |
| 9        | 引线22F/27F           |
| M        | 编带A图                |
| N        | 编带B图                |



# LK

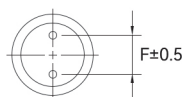
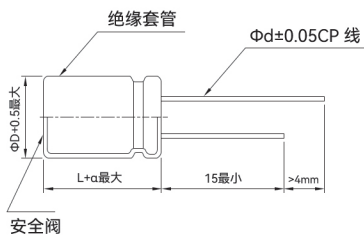
- ◆小体积 耐高频大纹波电流 高频低阻抗 高端电源专用
- ◆105°C环境下6000~8000小时
- ◆符合AEC-Q200 RoHS指令对应



## 主要技术参数

| 项目                    | 特性  |         |             |      |        |             |      |      |             |     |                     |          |        |      |        |      |      |      |      |         |     |     |     |     |     |     |     |     |                     |      |      |      |      |      |      |      |      |
|-----------------------|---|---------|-------------|------|--------|-------------|------|------|-------------|-----|---------------------|----------|--------|------|--------|------|------|------|------|---------|-----|-----|-----|-----|-----|-----|-----|-----|---------------------|------|------|------|------|------|------|------|------|
| 使用温度范围                | ≤ 120V -55~+105°C ; 160~500V -40~+105°C   |         |             |      |        |             |      |      |             |     |                     |          |        |      |        |      |      |      |      |         |     |     |     |     |     |     |     |     |                     |      |      |      |      |      |      |      |      |
| 标称电压范围                | 10~500V   |         |             |      |        |             |      |      |             |     |                     |          |        |      |        |      |      |      |      |         |     |     |     |     |     |     |     |     |                     |      |      |      |      |      |      |      |      |
| 容量允许偏差                | ±20% (25±2°C 120Hz)   |         |             |      |        |             |      |      |             |     |                     |          |        |      |        |      |      |      |      |         |     |     |     |     |     |     |     |     |                     |      |      |      |      |      |      |      |      |
| 漏电流(µA)               | 10~120WV I≤0.01CV or 3µA 取大者 C:标称容量(µF) V:额定电压(V) 2分钟读数<br>160~500WV I≤0.02CV+10(µA) C:标称容量(µF) V:额定电压(V) 2分钟读数   |         |             |      |        |             |      |      |             |     |                     |          |        |      |        |      |      |      |      |         |     |     |     |     |     |     |     |     |                     |      |      |      |      |      |      |      |      |
| 损耗角正切值 (25±2°C 120Hz) | <table border="1"> <tr> <td>额定电压(V)</td> <td>10</td> <td>16</td> <td>25</td> <td>35</td> <td>50</td> <td>63</td> <td>80</td> <td>100</td> </tr> <tr> <td>tg δ</td> <td>0.19</td> <td>0.16</td> <td>0.14</td> <td>0.12</td> <td>0.10</td> <td>0.09</td> <td>0.09</td> <td>0.09</td> </tr> <tr> <td>额定电压(V)</td> <td>120</td> <td>160</td> <td>200</td> <td>250</td> <td>350</td> <td>400</td> <td>450</td> <td>500</td> </tr> <tr> <td>tg δ</td> <td>0.09</td> <td>0.09</td> <td>0.08</td> <td>0.08</td> <td>0.10</td> <td>0.10</td> <td>0.12</td> <td>0.20</td> </tr> </table> <p>标称容量超过1000µF者, 则每增加1000µF, 损耗角正切值增加0.02</p> | 额定电压(V) | 10          | 16   | 25     | 35          | 50   | 63   | 80          | 100 | tg δ                | 0.19     | 0.16   | 0.14 | 0.12   | 0.10 | 0.09 | 0.09 | 0.09 | 额定电压(V) | 120 | 160 | 200 | 250 | 350 | 400 | 450 | 500 | tg δ                | 0.09 | 0.09 | 0.08 | 0.08 | 0.10 | 0.10 | 0.12 | 0.20 |
| 额定电压(V)               | 10  | 16      | 25          | 35   | 50     | 63          | 80   | 100  |             |     |                     |          |        |      |        |      |      |      |      |         |     |     |     |     |     |     |     |     |                     |      |      |      |      |      |      |      |      |
| tg δ                  | 0.19  | 0.16    | 0.14        | 0.12 | 0.10   | 0.09        | 0.09 | 0.09 |             |     |                     |          |        |      |        |      |      |      |      |         |     |     |     |     |     |     |     |     |                     |      |      |      |      |      |      |      |      |
| 额定电压(V)               | 120   | 160     | 200         | 250  | 350    | 400         | 450  | 500  |             |     |                     |          |        |      |        |      |      |      |      |         |     |     |     |     |     |     |     |     |                     |      |      |      |      |      |      |      |      |
| tg δ                  | 0.09  | 0.09    | 0.08        | 0.08 | 0.10   | 0.10        | 0.12 | 0.20 |             |     |                     |          |        |      |        |      |      |      |      |         |     |     |     |     |     |     |     |     |                     |      |      |      |      |      |      |      |      |
| 温度特性 (120Hz)          | <table border="1"> <tr> <td>额定电压(V)</td> <td>10</td> <td>16</td> <td>25</td> <td>35</td> <td>50</td> <td>63</td> <td>80</td> <td>100</td> </tr> <tr> <td>阻抗比Z(-40°C)/Z(20°C)</td> <td>6</td> <td>4</td> <td>3</td> <td>3</td> <td>3</td> <td>3</td> <td>3</td> <td>3</td> </tr> <tr> <td>额定电压(V)</td> <td>120</td> <td>160</td> <td>200</td> <td>250</td> <td>350</td> <td>400</td> <td>450</td> <td>500</td> </tr> <tr> <td>阻抗比Z(-40°C)/Z(20°C)</td> <td>5</td> <td>5</td> <td>5</td> <td>5</td> <td>7</td> <td>7</td> <td>7</td> <td>8</td> </tr> </table>  | 额定电压(V) | 10          | 16   | 25     | 35          | 50   | 63   | 80          | 100 | 阻抗比Z(-40°C)/Z(20°C) | 6        | 4      | 3    | 3      | 3    | 3    | 3    | 3    | 额定电压(V) | 120 | 160 | 200 | 250 | 350 | 400 | 450 | 500 | 阻抗比Z(-40°C)/Z(20°C) | 5    | 5    | 5    | 5    | 7    | 7    | 7    | 8    |
| 额定电压(V)               | 10  | 16      | 25          | 35   | 50     | 63          | 80   | 100  |             |     |                     |          |        |      |        |      |      |      |      |         |     |     |     |     |     |     |     |     |                     |      |      |      |      |      |      |      |      |
| 阻抗比Z(-40°C)/Z(20°C)   | 6   | 4       | 3           | 3    | 3      | 3           | 3    | 3    |             |     |                     |          |        |      |        |      |      |      |      |         |     |     |     |     |     |     |     |     |                     |      |      |      |      |      |      |      |      |
| 额定电压(V)               | 120   | 160     | 200         | 250  | 350    | 400         | 450  | 500  |             |     |                     |          |        |      |        |      |      |      |      |         |     |     |     |     |     |     |     |     |                     |      |      |      |      |      |      |      |      |
| 阻抗比Z(-40°C)/Z(20°C)   | 5   | 5       | 5           | 5    | 7      | 7           | 7    | 8    |             |     |                     |          |        |      |        |      |      |      |      |         |     |     |     |     |     |     |     |     |                     |      |      |      |      |      |      |      |      |
| 耐久性                   | <p>在105°C烘箱中, 施加含额定纹波电流的额定电压, 持续规定时间后, 置于常温16小时后测试, 测试温度: 25±2°C, 电容器的性能应满足如下要求</p> <table border="1"> <tr> <td>容量变化率</td> <td colspan="2">在初始值的±20%以内</td> </tr> <tr> <td>损耗角正切值</td> <td colspan="2">在规定值的200%以下</td> </tr> <tr> <td>漏电流</td> <td colspan="2">在规定值以下</td> </tr> <tr> <td rowspan="2">负荷寿命</td> <td>≤Φ5~Φ6.3</td> <td>6000小时</td> </tr> <tr> <td>≥Φ8</td> <td>8000小时</td> </tr> </table>   | 容量变化率   | 在初始值的±20%以内 |      | 损耗角正切值 | 在规定值的200%以下 |      | 漏电流  | 在规定值以下      |     | 负荷寿命                | ≤Φ5~Φ6.3 | 6000小时 | ≥Φ8  | 8000小时 |      |      |      |      |         |     |     |     |     |     |     |     |     |                     |      |      |      |      |      |      |      |      |
| 容量变化率                 | 在初始值的±20%以内   |         |             |      |        |             |      |      |             |     |                     |          |        |      |        |      |      |      |      |         |     |     |     |     |     |     |     |     |                     |      |      |      |      |      |      |      |      |
| 损耗角正切值                | 在规定值的200%以下   |         |             |      |        |             |      |      |             |     |                     |          |        |      |        |      |      |      |      |         |     |     |     |     |     |     |     |     |                     |      |      |      |      |      |      |      |      |
| 漏电流                   | 在规定值以下  |         |             |      |        |             |      |      |             |     |                     |          |        |      |        |      |      |      |      |         |     |     |     |     |     |     |     |     |                     |      |      |      |      |      |      |      |      |
| 负荷寿命                  | ≤Φ5~Φ6.3  | 6000小时  |             |      |        |             |      |      |             |     |                     |          |        |      |        |      |      |      |      |         |     |     |     |     |     |     |     |     |                     |      |      |      |      |      |      |      |      |
|                       | ≥Φ8   | 8000小时  |             |      |        |             |      |      |             |     |                     |          |        |      |        |      |      |      |      |         |     |     |     |     |     |     |     |     |                     |      |      |      |      |      |      |      |      |
| 高温储存                  | <p>在105°C下, 储存1000小时, 置于常温16小时后测试, 测试温度25±2°C, 电容器的性能应满足如下要求</p> <table border="1"> <tr> <td>容量变化率</td> <td colspan="2">在初始值的±20%以内</td> </tr> <tr> <td>损耗角正切值</td> <td colspan="2">在规定值的200%以下</td> </tr> <tr> <td>漏电流</td> <td colspan="2">在规定值的200%以下</td> </tr> </table>  | 容量变化率   | 在初始值的±20%以内 |      | 损耗角正切值 | 在规定值的200%以下 |      | 漏电流  | 在规定值的200%以下 |     |                     |          |        |      |        |      |      |      |      |         |     |     |     |     |     |     |     |     |                     |      |      |      |      |      |      |      |      |
| 容量变化率                 | 在初始值的±20%以内   |         |             |      |        |             |      |      |             |     |                     |          |        |      |        |      |      |      |      |         |     |     |     |     |     |     |     |     |                     |      |      |      |      |      |      |      |      |
| 损耗角正切值                | 在规定值的200%以下   |         |             |      |        |             |      |      |             |     |                     |          |        |      |        |      |      |      |      |         |     |     |     |     |     |     |     |     |                     |      |      |      |      |      |      |      |      |
| 漏电流                   | 在规定值的200%以下   |         |             |      |        |             |      |      |             |     |                     |          |        |      |        |      |      |      |      |         |     |     |     |     |     |     |     |     |                     |      |      |      |      |      |      |      |      |

## 产品尺寸图 (单位: mm)



|        |       |
|--------|-------|
| L=9    | α=1.0 |
| L≤16   | α=1.5 |
| L > 16 | α=2.0 |

|   |     |     |     |     |      |     |     |
|---|-----|-----|-----|-----|------|-----|-----|
| D | 5   | 6.3 | 8   | 10  | 12.5 | 16  | 18  |
| d | 0.5 | 0.5 | 0.6 | 0.6 | 0.6  | 0.8 | 0.8 |
| F | 2.0 | 2.5 | 3.5 | 5.0 | 5.0  | 7.5 | 7.5 |

安全阀  
备注: ≥Φ6.3 产品有安全阀

## 纹波电流补偿系数

### ① 频率修正因子

|        |      |      |      |         |      |
|--------|------|------|------|---------|------|
| 频率(Hz) | 50   | 120  | 1K   | 10K~50K | 100K |
| 修正因子   | 0.40 | 0.50 | 0.80 | 0.90    | 1.00 |

### ② 温度修正系数

|          |      |      |      |       |
|----------|------|------|------|-------|
| 环境温度(°C) | 50°C | 70°C | 85°C | 105°C |
| 修正因子     | 2.1  | 1.8  | 1.4  | 1.0   |



# LK

## ■ 标准品一览表

| 电压(V)            | 10             |                               |                                     | 16             |                               |                                     | 25             |                               |                                     | 35             |                               |                                     |
|------------------|----------------|-------------------------------|-------------------------------------|----------------|-------------------------------|-------------------------------------|----------------|-------------------------------|-------------------------------------|----------------|-------------------------------|-------------------------------------|
| 项目<br>容量<br>(μF) | 尺寸<br>ΦD×L(mm) | 阻抗<br>(Ωmax/100kHz<br>25±2°C) | 纹波电流<br>(mA r.m.s/<br>105°C 100kHz) | 尺寸<br>ΦD×L(mm) | 阻抗<br>(Ωmax/100kHz<br>25±2°C) | 纹波电流<br>(mA r.m.s/<br>105°C 100kHz) | 尺寸<br>ΦD×L(mm) | 阻抗<br>(Ωmax/100kHz<br>25±2°C) | 纹波电流<br>(mA r.m.s/<br>105°C 100kHz) | 尺寸<br>ΦD×L(mm) | 阻抗<br>(Ωmax/100kHz<br>25±2°C) | 纹波电流<br>(mA r.m.s/<br>105°C 100kHz) |
| 10               | 5×9            | 1.10                          | 55                                  | 5×9            | 1.10                          | 70                                  | 5×9            | 1.10                          | 90                                  | 5×9            | 1.60                          | 100                                 |
| 15               | 5×9            | 1.10                          | 75                                  | 5×9            | 1.10                          | 90                                  | 5×9            | 1.10                          | 110                                 | 5×9            | 1.10                          | 120                                 |
| 22               | 5×9            | 0.42                          | 90                                  | 5×9            | 0.42                          | 110                                 | 5×9            | 1.10                          | 120                                 | 5×9            | 1.10                          | 160                                 |
| 33               | 5×9            | 0.42                          | 105                                 | 5×9            | 0.42                          | 120                                 | 5×9            | 0.42                          | 150                                 | 5×9            | 0.42                          | 215                                 |
| 39               | 5×9            | 0.42                          | 135                                 | 5×9            | 0.42                          | 150                                 | 5×9            | 0.42                          | 180                                 | 5×9            | 0.42                          | 215                                 |
| 47               | 5×9            | 0.28                          | 142                                 | 5×9            | 0.28                          | 160                                 | 5×9            | 0.28                          | 210                                 | 5×11           | 0.38                          | 310                                 |
| 56               | 5×9            | 0.28                          | 150                                 | 5×9            | 0.28                          | 170                                 | 5×9            | 0.28                          | 290                                 | 5×11           | 0.38                          | 310                                 |
| 68               | 5×9            | 0.28                          | 160                                 | 5×9            | 0.28                          | 180                                 | 5×11           | 0.25                          | 310                                 | 6.3×9          | 0.36                          | 390                                 |
| 82               | 5×9            | 0.28                          | 170                                 | 5×9            | 0.28                          | 210                                 | 5×11           | 0.25                          | 310                                 | 6.3×9          | 0.36                          | 390                                 |
| 100              | 5×9            | 0.28                          | 180                                 | 5×9            | 0.28                          | 290                                 | 5×11           | 0.25                          | 310                                 | 6.3×11         | 0.17                          | 404                                 |
| 100              |                |                               |                                     |                |                               |                                     |                |                               |                                     | 8×9            | 0.17                          | 441                                 |
| 120              | 5×9            | 0.28                          | 210                                 | 5×11           | 0.25                          | 310                                 | 6.3×9          | 0.25                          | 390                                 | 8×9            | 0.17                          | 441                                 |
| 150              | 5×9            | 0.28                          | 290                                 | 6.3×9          | 0.25                          | 390                                 | 6.3×11         | 0.17                          | 404                                 | 8×11.5         | 0.13                          | 830                                 |
| 150              |                |                               |                                     |                |                               |                                     | 8×9            | 0.17                          | 441                                 | 10×9           | 0.13                          | 765                                 |
| 180              | 5×11           | 0.28                          | 290                                 | 6.3×9          | 0.25                          | 390                                 | 6.3×11         | 0.17                          | 404                                 | 8×11.5         | 0.13                          | 830                                 |
| 180              |                |                               |                                     |                |                               |                                     | 8×9            | 0.17                          | 441                                 | 10×9           | 0.13                          | 765                                 |
| 220              | 5×11           | 0.25                          | 310                                 | 6.3×11         | 0.17                          | 404                                 | 6.3×11         | 0.17                          | 404                                 | 8×11.5         | 0.13                          | 830                                 |
| 220              |                |                               |                                     | 8×9            | 0.17                          | 441                                 | 8×9            | 0.17                          | 441                                 | 10×9           | 0.13                          | 765                                 |
| 270              | 6.3×9          | 0.25                          | 390                                 | 6.3×11         | 0.17                          | 404                                 | 8×11.5         | 0.10                          | 830                                 | 8×16           | 0.10                          | 1150                                |
| 270              |                |                               |                                     | 8×9            | 0.17                          | 441                                 | 10×9           | 0.10                          | 765                                 | 10×12.5        | 0.10                          | 1150                                |
| 330              | 6.3×11         | 0.17                          | 404                                 | 6.3×11         | 0.17                          | 650                                 | 8×11.5         | 0.10                          | 830                                 | 8×16           | 0.10                          | 1170                                |
| 330              | 8×9            | 0.17                          | 441                                 | 8×9            | 0.17                          | 765                                 | 10×9           | 0.10                          | 765                                 | 10×12.5        | 0.10                          | 1150                                |
| 390              | 6.3×11         | 0.17                          | 650                                 | 8×11.5         | 0.10                          | 830                                 | 8×14           | 0.12                          | 1150                                | 8×20           | 0.0505                        | 1350                                |
| 390              | 8×9            | 0.17                          | 765                                 | 10×9           | 0.10                          | 765                                 | 10×12.5        | 0.10                          | 1150                                | 10×16          | 0.0505                        | 1550                                |
| 470              | 6.3×11         | 0.17                          | 650                                 | 8×11.5         | 0.10                          | 830                                 | 8×16           | 0.10                          | 1170                                | 8×20           | 0.0505                        | 1350                                |
| 470              | 8×9            | 0.17                          | 765                                 | 10×9           | 0.10                          | 765                                 | 10×12.5        | 0.10                          | 1150                                | 10×16          | 0.0505                        | 1550                                |
| 560              | 8×11.5         | 0.10                          | 830                                 | 8×11.5         | 0.10                          | 830                                 | 8×20           | 0.0505                        | 1350                                | 10×16          | 0.0420                        | 1550                                |
| 560              | 10×9           | 0.10                          | 765                                 | 10×9           | 0.10                          | 765                                 | 10×12.5        | 0.10                          | 1150                                | 12.5×14        | 0.0500                        | 1808                                |
| 680              | 8×11.5         | 0.10                          | 830                                 | 8×16           | 0.10                          | 1125                                | 8×20           | 0.0505                        | 1350                                | 10×20          | 0.0420                        | 1590                                |
| 680              | 10×9           | 0.10                          | 765                                 | 10×12.5        | 0.13                          | 1150                                | 10×16          | 0.0505                        | 1550                                | 12.5×16        | 0.0500                        | 1910                                |
| 820              | 8×11.5         | 0.10                          | 830                                 | 8×20           | 0.0505                        | 1350                                | 10×16          | 0.0505                        | 1550                                | 10×20          | 0.0420                        | 1590                                |
| 820              |                |                               |                                     | 10×14          | 0.0805                        | 1350                                | 12.5×14        | 0.0600                        | 1808                                | 12.5×16        | 0.0500                        | 1910                                |
| 1000             | 8×16           | 0.10                          | 1125                                | 8×20           | 0.0505                        | 1350                                | 10×20          | 0.0505                        | 1808                                | 12.5×20        | 0.0300                        | 2250                                |
| 1000             | 10×12.5        | 0.10                          | 1150                                | 10×14          | 0.0805                        | 1350                                | 12.5×14        | 0.0600                        | 1808                                |                |                               |                                     |
| 1200             | 8×16           | 0.10                          | 1125                                | 10×16          | 0.0505                        | 1550                                | 10×23          | 0.0500                        | 2050                                | 12.5×20        | 0.0300                        | 2250                                |
| 1200             | 10×14          | 0.0805                        | 1350                                | 12.5×14        | 0.0600                        | 1808                                | 12.5×16        | 0.0500                        | 1910                                |                |                               |                                     |
| 1500             | 8×20           | 0.0805                        | 1350                                | 10×20          | 0.0420                        | 1590                                | 12.5×20        | 0.0300                        | 2250                                | 12.5×25        | 0.0270                        | 2620                                |
| 1500             | 10×14          | 0.0805                        | 1350                                | 12.5×14        | 0.0600                        | 1808                                |                |                               |                                     | 16×20          | 0.0270                        | 2925                                |
| 1800             | 10×20          | 0.0620                        | 1590                                | 10×20          | 0.0420                        | 1590                                | 12.5×20        | 0.0300                        | 2250                                | 12.5×35        | 0.0210                        | 3215                                |



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## ■ 标准品一览表

| 电压(V)            | 10             |  |                                      | 16             |  |                                      | 25             |  |                                      | 35             |  |                                      |
|------------------|----------------|--|--------------------------------------|----------------|--|--------------------------------------|----------------|--|--------------------------------------|----------------|--|--------------------------------------|
| 项目<br>容量<br>(μF) | 尺寸<br>ΦD×L(mm) | 阻抗<br>(Ω <sub>max</sub> /100kHz<br>25±2°C) | 纹波电流<br>(mA r.m.s./<br>105°C 100kHz) | 尺寸<br>ΦD×L(mm) | 阻抗<br>(Ω <sub>max</sub> /100kHz<br>25±2°C) | 纹波电流<br>(mA r.m.s./<br>105°C 100kHz) | 尺寸<br>ΦD×L(mm) | 阻抗<br>(Ω <sub>max</sub> /100kHz<br>25±2°C) | 纹波电流<br>(mA r.m.s./<br>105°C 100kHz) | 尺寸<br>ΦD×L(mm) | 阻抗<br>(Ω <sub>max</sub> /100kHz<br>25±2°C) | 纹波电流<br>(mA r.m.s./<br>105°C 100kHz) |
|                  | 1800           | 12.5×14                                    | 0.0600                               | 1808           | 12.5×16                                    | 0.0500                               | 1910           |  |                                      |                | 16×20                                      | 0.0210                               |
| 2200             | 10×20          | 0.0620                                     | 1590                                 | 10×23          | 0.0300                                     | 2050                                 | 12.5×25        | 0.0270                                     | 2620                                 | 12.5×35        | 0.0160                                     | 3215                                 |
| 2200             | 12.5×14        | 0.0600                                     | 1808                                 | 12.5×20        | 0.0300                                     | 2250                                 |                |  |                                      | 16×25          | 0.0160                                     | 3270                                 |
| 2700             | 10×20          | 0.0620                                     | 1590                                 | 12.5×20        | 0.0300                                     | 2250                                 | 12.5×30        | 0.0250                                     | 3110                                 | 16×31.5        | 0.0140                                     | 3500                                 |
| 2700             | 12.5×16        | 0.0500                                     | 1910                                 |                |  |                                      |                |  |                                      | 18×25          | 0.0270                                     | 3600                                 |
| 3300             | 12.5×20        | 0.0300                                     | 2250                                 | 12.5×25        | 0.0268                                     | 2620                                 | 12.5×35        | 0.0250                                     | 3215                                 | 16×31.5        | 0.0123                                     | 3500                                 |
| 3300             |                |  |                                      |                |  |                                      | 16×25          | 0.0250                                     | 3270                                 | 18×25          | 0.0135                                     | 3600                                 |
| 3900             | 12.5×20        | 0.0300                                     | 2250                                 | 12.5×30        | 0.0255                                     | 3110                                 | 16×31.5        | 0.0200                                     | 3500                                 | 16×35.5        | 0.0100                                     | 3610                                 |
| 3900             |                |  |                                      | 16×20          | 0.0268                                     | 2925                                 | 18×25          | 0.0135                                     | 3300                                 | 18×25          | 0.0135                                     | 3600                                 |
| 4700             | 12.5×25        | 0.0270                                     | 2620                                 | 12.5×30        | 0.0255                                     | 3110                                 | 18×25          | 0.0135                                     | 3600                                 | 16×40          | 0.0100                                     | 3680                                 |
| 4700             |                |  |                                      | 16×25          | 0.0246                                     | 3270                                 |                |  |                                      | 18×35.5        | 0.0100                                     | 3680                                 |
| 5600             | 12.5×25        | 0.0270                                     | 2620                                 | 12.5×35        | 0.0246                                     | 3215                                 | 18×31.5        | 0.0120                                     | 3610                                 |                |  |                                      |
| 5600             |                |  |                                      | 16×25          | 0.0246                                     | 3270                                 |                |  |                                      |                |  |                                      |
| 6800             | 12.5×30        | 0.0155                                     | 3110                                 | 16×31.5        | 0.0213                                     | 3500                                 | 18×35.5        | 0.0110                                     | 3680                                 |                |  |                                      |
| 6800             | 16×25          | 0.0146                                     | 3270                                 | 18×25          | 0.0235                                     | 3600                                 |                |  |                                      |                |  |                                      |
| 8200             | 12.5×40        | 0.0123                                     | 3500                                 | 16×35.5        | 0.0220                                     | 3610                                 | 18×40          | 0.0100                                     | 3735                                 |                |  |                                      |
| 8200             | 16×25          | 0.0146                                     | 3270                                 | 18×31.5        | 0.0220                                     | 3610                                 |                |  |                                      |                |  |                                      |
| 10000            | 16×31.5        | 0.0123                                     | 3500                                 | 18×35.5        | 0.0210                                     | 3680                                 |                |  |                                      |                |  |                                      |
| 10000            | 18×25          | 0.0135                                     | 3600                                 |                |  |                                      |                |  |                                      |                |  |                                      |

| 电压(V)            | 50             |  |                                      | 63             |  |                                      | 80             |  |                                      | 100            |  |                                      |
|------------------|----------------|--|--------------------------------------|----------------|--|--------------------------------------|----------------|--|--------------------------------------|----------------|--|--------------------------------------|
| 项目<br>容量<br>(μF) | 尺寸<br>ΦD×L(mm) | 阻抗<br>(Ω <sub>max</sub> /100kHz<br>25±2°C) | 纹波电流<br>(mA r.m.s./<br>105°C 100kHz) | 尺寸<br>ΦD×L(mm) | 阻抗<br>(Ω <sub>max</sub> /100kHz<br>25±2°C) | 纹波电流<br>(mA r.m.s./<br>105°C 100kHz) | 尺寸<br>ΦD×L(mm) | 阻抗<br>(Ω <sub>max</sub> /100kHz<br>25±2°C) | 纹波电流<br>(mA r.m.s./<br>105°C 100kHz) | 尺寸<br>ΦD×L(mm) | 阻抗<br>(Ω <sub>max</sub> /100kHz<br>25±2°C) | 纹波电流<br>(mA r.m.s./<br>105°C 100kHz) |
|                  | 0.47           | 5×9  | 5.50                                 | 20             | 5×9  | 3.00                                 | 22             | 5×9  | 3.00                                 | 23             | 5×9  | 5.00                                 |
| 1.0              | 5×9            | 5.50                                       | 30                                   | 5×9            | 3.00                                       | 33                                   | 5×9            | 3.00                                       | 34                                   | 5×9            | 3.00                                       | 34                                   |
| 1.8              | 5×9            | 5.50                                       | 36                                   | 5×9            | 3.00                                       | 40                                   | 5×9            | 3.00                                       | 42                                   | 5×9            | 3.00                                       | 42                                   |
| 2.2              | 5×9            | 1.60                                       | 38                                   | 5×9            | 3.00                                       | 44                                   | 5×9            | 3.00                                       | 46                                   | 5×9            | 3.00                                       | 46                                   |
| 2.7              | 5×9            | 1.60                                       | 46                                   | 5×9            | 3.00                                       | 51                                   | 5×9            | 1.50                                       | 54                                   | 5×9            | 3.00                                       | 54                                   |
| 3.3              | 5×9            | 1.60                                       | 53                                   | 5×9            | 3.00                                       | 58                                   | 5×9            | 1.50                                       | 61                                   | 5×9            | 1.50                                       | 61                                   |
| 3.9              | 5×9            | 1.60                                       | 70                                   | 5×9            | 3.00                                       | 77                                   | 5×9            | 1.50                                       | 80                                   | 5×9            | 1.50                                       | 80                                   |
| 4.7              | 5×9            | 1.60                                       | 88                                   | 5×9            | 3.00                                       | 97                                   | 5×9            | 1.50                                       | 100                                  | 5×9            | 1.50                                       | 100                                  |
| 5.6              | 5×9            | 1.60                                       | 90                                   | 5×9            | 1.50                                       | 99                                   | 5×9            | 1.50                                       | 105                                  | 5×11           | 1.50                                       | 105                                  |
| 6.8              | 5×9            | 1.60                                       | 93                                   | 5×9            | 1.50                                       | 102                                  | 5×9            | 1.50                                       | 110                                  | 5×11           | 1.50                                       | 110                                  |
| 8.2              | 5×9            | 1.60                                       | 97                                   | 5×9            | 1.50                                       | 108                                  | 5×9            | 1.50                                       | 125                                  | 5×11           | 1.50                                       | 125                                  |
| 10               | 5×9            | 1.60                                       | 100                                  | 5×9            | 1.50                                       | 110                                  | 5×9            | 1.50                                       | 135                                  | 5×11           | 1.50                                       | 135                                  |
| 12               | 5×9            | 1.60                                       | 110                                  | 5×9            | 1.50                                       | 120                                  | 5×11           | 1.50                                       | 150                                  | 6.3×9          | 1.00                                       | 216                                  |



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■ 标准品一览表

| 电压(V)            | 50             |                               |                                     | 63             |                               |                                     | 80             |                               |                                     | 100            |                               |                                     |
|------------------|----------------|-------------------------------|-------------------------------------|----------------|-------------------------------|-------------------------------------|----------------|-------------------------------|-------------------------------------|----------------|-------------------------------|-------------------------------------|
| 项目<br>容量<br>(μF) | 尺寸<br>ΦD×L(mm) | 阻抗<br>(Ωmax/100kHz<br>25±2°C) | 纹波电流<br>(mA r.m.s/<br>105°C 100kHz) | 尺寸<br>ΦD×L(mm) | 阻抗<br>(Ωmax/100kHz<br>25±2°C) | 纹波电流<br>(mA r.m.s/<br>105°C 100kHz) | 尺寸<br>ΦD×L(mm) | 阻抗<br>(Ωmax/100kHz<br>25±2°C) | 纹波电流<br>(mA r.m.s/<br>105°C 100kHz) | 尺寸<br>ΦD×L(mm) | 阻抗<br>(Ωmax/100kHz<br>25±2°C) | 纹波电流<br>(mA r.m.s/<br>105°C 100kHz) |
| 15               | 5×9            | 1.60                          | 120                                 | 5×9            | 1.50                          | 145                                 | 5×11           | 1.50                          | 150                                 | 6.3×9          | 1.00                          | 216                                 |
| 18               | 5×9            | 1.40                          | 130                                 | 5×9            | 1.00                          | 155                                 | 6.3×9          | 1.00                          | 216                                 | 6.3×11         | 0.64                          | 240                                 |
| 18               |                |                               |                                     |                |                               |                                     |                |                               |                                     | 8×9            | 0.64                          | 216                                 |
| 22               | 5×9            | 1.40                          | 145                                 | 5×11           | 1.00                          | 160                                 | 6.3×9          | 1.00                          | 216                                 | 6.3×11         | 0.64                          | 240                                 |
| 22               |                |                               |                                     |                |                               |                                     |                |                               |                                     | 8×9            | 0.64                          | 216                                 |
| 27               | 5×11           | 0.38                          | 215                                 | 6.3×9          | 0.60                          | 225                                 | 6.3×11         | 0.64                          | 240                                 | 8×9            | 0.64                          | 369                                 |
| 27               |                |                               |                                     |                |                               |                                     | 8×9            | 0.64                          | 260                                 |                |                               |                                     |
| 33               | 5×11           | 0.38                          | 215                                 | 6.3×9          | 0.60                          | 225                                 | 6.3×11         | 0.64                          | 240                                 | 8×11.5         | 0.41                          | 410                                 |
| 33               |                |                               |                                     |                |                               |                                     | 8×9            | 0.64                          | 260                                 | 10×9           | 0.41                          | 369                                 |
| 39               | 6.3×9          | 0.38                          | 315                                 | 6.3×9          | 0.40                          | 250                                 | 8×9            | 0.64                          | 260                                 | 8×11.5         | 0.41                          | 410                                 |
| 39               |                |                               |                                     |                |                               |                                     |                |                               |                                     | 10×9           | 0.41                          | 369                                 |
| 47               | 6.3×9          | 0.36                          | 350                                 | 6.3×11         | 0.40                          | 250                                 | 8×11.5         | 0.41                          | 410                                 | 8×16           | 0.29                          | 510                                 |
| 47               |                |                               |                                     | 8×9            | 0.50                          | 260                                 | 10×9           | 0.41                          | 450                                 | 10×12.5        | 0.29                          | 510                                 |
| 56               | 6.3×11         | 0.36                          | 350                                 | 8×9            | 0.50                          | 350                                 | 8×11.5         | 0.41                          | 410                                 | 8×16           | 0.29                          | 510                                 |
| 56               | 8×9            | 0.25                          | 450                                 |                |                               |                                     | 10×9           | 0.41                          | 450                                 | 10×12.5        | 0.26                          | 565                                 |
| 68               | 6.3×11         | 0.36                          | 350                                 | 8×11.5         | 0.25                          | 480                                 | 8×11.5         | 0.41                          | 410                                 | 8×20           | 0.22                          | 660                                 |
| 68               | 8×9            | 0.25                          | 450                                 | 10×9           | 0.25                          | 490                                 | 10×9           | 0.41                          | 450                                 | 10×14          | 0.22                          | 660                                 |
| 82               | 8×9            | 0.25                          | 585                                 | 8×11.5         | 0.25                          | 480                                 | 8×16           | 0.29                          | 510                                 | 8×20           | 0.22                          | 660                                 |
| 82               |                |                               |                                     | 10×9           | 0.25                          | 490                                 | 10×12.5        | 0.29                          | 565                                 | 10×16          | 0.20                          | 710                                 |
| 100              | 8×9            | 0.25                          | 585                                 | 8×14           | 0.25                          | 550                                 | 8×16           | 0.29                          | 510                                 | 10×16          | 0.20                          | 710                                 |
| 100              |                |                               |                                     | 10×9           | 0.25                          | 500                                 | 10×12.5        | 0.26                          | 565                                 | 12.5×14        | 0.18                          | 833                                 |
| 120              | 8×11.5         | 0.16                          | 630                                 | 8×16           | 0.19                          | 620                                 | 8×20           | 0.22                          | 660                                 | 10×20          | 0.14                          | 950                                 |
| 120              | 10×9           | 0.16                          | 650                                 | 10×12.5        | 0.18                          | 630                                 | 10×14          | 0.20                          | 660                                 | 12.5×14        | 0.18                          | 833                                 |
| 150              | 8×14           | 0.12                          | 760                                 | 8×20           | 0.14                          | 775                                 | 10×16          | 0.20                          | 710                                 | 10×20          | 0.15                          | 950                                 |
| 150              | 10×9           | 0.12                          | 650                                 | 10×14          | 0.14                          | 810                                 | 12.5×14        | 0.18                          | 833                                 | 12.5×16        | 0.15                          | 880                                 |
| 180              | 8×16           | 0.12                          | 860                                 | 8×20           | 0.14                          | 775                                 | 10×20          | 0.14                          | 950                                 | 12.5×20        | 0.0959                        | 1290                                |
| 180              | 10×12.5        | 0.12                          | 875                                 | 10×16          | 0.14                          | 900                                 | 12.5×14        | 0.18                          | 833                                 |                |                               |                                     |
| 220              | 8×16           | 0.12                          | 860                                 | 10×16          | 0.14                          | 900                                 | 10×20          | 0.14                          | 950                                 | 12.5×20        | 0.0959                        | 1290                                |
| 220              | 10×12.5        | 0.12                          | 875                                 |                |                               |                                     | 12.5×16        | 0.18                          | 1020                                |                |                               |                                     |
| 270              | 8×20           | 0.0768                        | 1080                                | 10×20          | 0.0877                        | 1080                                | 12.5×20        | 0.0959                        | 1290                                | 12.5×25        | 0.0673                        | 1460                                |
| 270              | 10×16          | 0.0768                        | 1250                                | 12.5×14        | 0.0920                        | 1022                                |                |                               |                                     |                |                               |                                     |
| 330              | 10×16          | 0.0768                        | 1250                                | 10×20          | 0.0877                        | 1080                                | 12.5×20        | 0.0959                        | 1290                                | 12.5×30        | 0.0571                        | 1760                                |
| 330              | 12.5×14        | 0.0810                        | 1022                                | 12.5×16        | 0.0920                        | 1080                                |                |                               |                                     | 16×20          | 0.0653                        | 1560                                |
| 390              | 10×20          | 0.0695                        | 1430                                | 12.5×20        | 0.0673                        | 1415                                | 12.5×25        | 0.0673                        | 1460                                | 12.5×35        | 0.0520                        | 1930                                |
| 390              | 12.5×14        | 0.0810                        | 1022                                |                |                               |                                     | 12.5×25        | 0.0673                        | 1460                                | 16×25          | 0.0480                        | 1990                                |
| 470              | 10×20          | 0.0695                        | 1430                                | 12.5×20        | 0.0673                        | 1415                                | 16×20          | 0.0653                        | 1560                                | 16×25          | 0.0480                        | 1990                                |
| 470              | 12.5×16        | 0.0675                        | 1080                                | 12.5×25        | 0.0479                        | 1800                                | 12.5×30        | 0.0571                        | 1760                                | 18×20          | 0.0465                        | 1990                                |
| 560              | 12.5×16        | 0.0675                        | 1598                                |                |                               |                                     | 16×25          | 0.0480                        | 1990                                | 16×31.5        | 0.0368                        | 2160                                |
| 560              |                |                               |                                     |                |                               |                                     |                |                               |                                     | 18×25          | 0.0427                        | 2050                                |



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## ■ 标准品一览表

| 电压(V)            | 50             |  |                                      | 63             |  |                                      | 80             |  |                                      | 100            |  |                                      |
|------------------|----------------|--|--------------------------------------|----------------|--|--------------------------------------|----------------|--|--------------------------------------|----------------|--|--------------------------------------|
| 项目<br>容量<br>(μF) | 尺寸<br>ΦD×L(mm) | 阻抗<br>(Ω <sub>max</sub> /100kHz<br>25±2°C) | 纹波电流<br>(mA r.m.s./<br>105°C 100kHz) | 尺寸<br>ΦD×L(mm) | 阻抗<br>(Ω <sub>max</sub> /100kHz<br>25±2°C) | 纹波电流<br>(mA r.m.s./<br>105°C 100kHz) | 尺寸<br>ΦD×L(mm) | 阻抗<br>(Ω <sub>max</sub> /100kHz<br>25±2°C) | 纹波电流<br>(mA r.m.s./<br>105°C 100kHz) | 尺寸<br>ΦD×L(mm) | 阻抗<br>(Ω <sub>max</sub> /100kHz<br>25±2°C) | 纹波电流<br>(mA r.m.s./<br>105°C 100kHz) |
| 680              | 12.5×20        | 0.0600                                     | 1850                                 | 12.5×30        | 0.0410                                     | 2370                                 | 12.5×35        | 0.0520                                     | 1930                                 | 16×35.5        | 0.0326                                     | 2340                                 |
| 680              |                |  |                                      | 16×20          | 0.0482                                     | 1890                                 | 16×25          | 0.0480                                     | 1990                                 | 18×31.5        | 0.0346                                     | 2230                                 |
| 820              | 12.5×25        | 0.0625                                     | 2170                                 | 12.5×35        | 0.0367                                     | 2360                                 | 16×31.5        | 0.0368                                     | 2160                                 | 16×40          | 0.0305                                     | 2580                                 |
| 820              |                |  |                                      | 16×25          | 0.0385                                     | 2460                                 | 18×25          | 0.0427                                     | 2050                                 | 18×35.5        | 0.0305                                     | 3160                                 |
| 1000             | 12.5×30        | 0.0580                                     | 2580                                 | 16×25          | 0.0385                                     | 2460                                 | 16×35.5        | 0.0326                                     | 2340                                 | 18×40          | 0.0305                                     | 3160                                 |
| 1000             | 16×20          | 0.0580                                     | 2460                                 | 18×20          | 0.0426                                     | 2550                                 | 18×31.5        | 0.0346                                     | 2230                                 |                |  |                                      |
| 1200             | 12.5×30        | 0.0580                                     | 2580                                 | 16×31.5        | 0.0350                                     | 2695                                 | 16×40          | 0.0305                                     | 2580                                 |                |  |                                      |
| 1200             | 16×25          | 0.0455                                     | 2710                                 | 18×25          | 0.0350                                     | 2520                                 | 18×31.5        | 0.0246                                     | 2970                                 |                |  |                                      |
| 1500             | 12.5×40        | 0.0211                                     | 2745                                 | 16×31.5        | 0.0350                                     | 2695                                 | 18×35.5        | 0.0246                                     | 3160                                 |                |  |                                      |
| 1500             | 16×25          | 0.0240                                     | 2710                                 | 18×31.5        | 0.0350                                     | 2970                                 |                |  |                                      |                |  |                                      |
| 1800             | 16×31.5        | 0.0265                                     | 2960                                 | 16×40          | 0.0350                                     | 3215                                 | 18×40          | 0.0204                                     | 3160                                 |                |  |                                      |
| 1800             | 18×25          | 0.0347                                     | 2760                                 | 18×31.5        | 0.0350                                     | 2970                                 |                |  |                                      |                |  |                                      |
| 2200             | 18×31.5        | 0.0286                                     | 2970                                 | 18×35.5        | 0.0350                                     | 3215                                 |                |  |                                      |                |  |                                      |
| 2700             | 18×35.5        | 0.0224                                     | 3215                                 | 18×40          | 0.0350                                     | 3310                                 |                |  |                                      |                |  |                                      |
| 3300             | 18×40          | 0.0204                                     | 3410                                 |                |  |                                      |                |  |                                      |                |  |                                      |

| 电压(V)            | 120            |  |                                      | 160            |  |                                      | 200            |  |                                      | 250            |  |                                      |
|------------------|----------------|--|--------------------------------------|----------------|--|--------------------------------------|----------------|--|--------------------------------------|----------------|--|--------------------------------------|
| 项目<br>容量<br>(μF) | 尺寸<br>ΦD×L(mm) | 阻抗<br>(Ω <sub>max</sub> /100kHz<br>25±2°C) | 纹波电流<br>(mA r.m.s./<br>105°C 100kHz) | 尺寸<br>ΦD×L(mm) | 阻抗<br>(Ω <sub>max</sub> /100kHz<br>25±2°C) | 纹波电流<br>(mA r.m.s./<br>105°C 100kHz) | 尺寸<br>ΦD×L(mm) | 阻抗<br>(Ω <sub>max</sub> /100kHz<br>25±2°C) | 纹波电流<br>(mA r.m.s./<br>105°C 100kHz) | 尺寸<br>ΦD×L(mm) | 阻抗<br>(Ω <sub>max</sub> /100kHz<br>25±2°C) | 纹波电流<br>(mA r.m.s./<br>105°C 100kHz) |
| 0.47             | 5×9            | 6.60                                       | 23                                   |                |  |                                      |                |  |                                      |                |  |                                      |
| 1.0              | 5×9            | 6.60                                       | 34                                   | 5×11           | 40.00                                      | 50                                   | 5×11           | 40.00                                      | 50                                   | 6.3×9          | 30.00                                      | 95                                   |
| 1.2              | 5×9            | 6.60                                       | 34                                   | 5×11           | 40.00                                      | 55                                   | 5×11           | 40.00                                      | 55                                   | 6.3×9          | 30.00                                      | 95                                   |
| 1.5              | 5×9            | 6.60                                       | 42                                   | 5×11           | 40.00                                      | 60                                   | 5×11           | 40.00                                      | 60                                   | 6.3×9          | 30.00                                      | 95                                   |
| 1.8              | 5×9            | 6.60                                       | 42                                   | 5×11           | 40.00                                      | 65                                   | 5×11           | 40.00                                      | 66                                   | 6.3×9          | 30.00                                      | 95                                   |
| 2.2              | 5×9            | 1.80                                       | 46                                   | 5×11           | 40.00                                      | 75                                   | 5×11           | 40.00                                      | 75                                   | 6.3×9          | 30.00                                      | 104                                  |
| 2.7              | 5×9            | 1.80                                       | 54                                   | 5×11           | 40.00                                      | 80                                   | 5×11           | 40.00                                      | 80                                   | 6.3×9          | 30.00                                      | 113                                  |
| 3.3              | 5×9            | 1.80                                       | 61                                   | 5×11           | 40.00                                      | 90                                   | 6.3×9          | 30.00                                      | 95                                   | 6.3×9          | 30.00                                      | 113                                  |
| 3.9              | 5×9            | 1.80                                       | 80                                   | 5×11           | 40.00                                      | 90                                   | 6.3×9          | 30.00                                      | 104                                  | 6.3×9          | 15.00                                      | 113                                  |
| 4.7              | 5×9            | 1.80                                       | 100                                  | 6.3×9          | 25.00                                      | 104                                  | 6.3×11         | 15.00                                      | 115                                  | 6.3×11         | 15.00                                      | 125                                  |
| 4.7              |                |  |                                      |                |  |                                      | 8×9            | 15.00                                      | 135                                  | 8×9            | 15.00                                      | 135                                  |
| 5.6              | 5×11           | 1.80                                       | 105                                  | 6.3×9          | 25.00                                      | 104                                  | 6.3×11         | 15.00                                      | 115                                  | 8×9            | 15.00                                      | 135                                  |
| 5.6              |                |  |                                      |                |  |                                      | 8×9            | 15.00                                      | 135                                  |                |  |                                      |
| 6.8              | 5×11           | 1.60                                       | 110                                  | 6.3×9          | 25.00                                      | 122                                  | 8×9            | 15.00                                      | 135                                  | 8×9            | 15.00                                      | 135                                  |
| 8.2              | 5×11           | 1.60                                       | 125                                  | 6.3×11         | 22.00                                      | 125                                  | 8×9            | 15.00                                      | 135                                  | 8×11.5         | 15.00                                      | 150                                  |
| 8.2              |                |  |                                      | 8×9            | 22.00                                      | 130                                  |                |  |                                      | 10×9           | 15.00                                      | 150                                  |
| 10               | 6.3×9          | 1.21                                       | 135                                  | 8×9            | 22.00                                      | 130                                  | 8×11.5         | 15.00                                      | 150                                  | 8×11.5         | 15.00                                      | 150                                  |



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■ 标准品一览表

| 电压(V)            | 120            |                               |                                     | 160            |                               |                                     | 200            |                               |                                     | 250            |                               |                                     |
|------------------|----------------|-------------------------------|-------------------------------------|----------------|-------------------------------|-------------------------------------|----------------|-------------------------------|-------------------------------------|----------------|-------------------------------|-------------------------------------|
| 项目<br>容量<br>(μF) | 尺寸<br>ΦD×L(mm) | 阻抗<br>(Ωmax/100kHz<br>25±2°C) | 纹波电流<br>(mA r.m.s/<br>105°C 100kHz) | 尺寸<br>ΦD×L(mm) | 阻抗<br>(Ωmax/100kHz<br>25±2°C) | 纹波电流<br>(mA r.m.s/<br>105°C 100kHz) | 尺寸<br>ΦD×L(mm) | 阻抗<br>(Ωmax/100kHz<br>25±2°C) | 纹波电流<br>(mA r.m.s/<br>105°C 100kHz) | 尺寸<br>ΦD×L(mm) | 阻抗<br>(Ωmax/100kHz<br>25±2°C) | 纹波电流<br>(mA r.m.s/<br>105°C 100kHz) |
| 10               |                |                               |                                     |                |                               |                                     | 10×9           | 15.00                         | 150                                 | 10×9           | 15.00                         | 150                                 |
| 12               | 6.3×9          | 1.21                          | 163                                 | 8×11.5         | 20.00                         | 135                                 | 8×14           | 12.00                         | 220                                 | 8×14           | 12.00                         | 220                                 |
| 15               | 6.3×11         | 0.83                          | 195                                 | 8×11.5         | 16.00                         | 135                                 | 8×16           | 8.92                          | 250                                 | 8×16           | 8.92                          | 250                                 |
| 15               | 8×9            | 0.83                          | 195                                 | 10×9           | 16.00                         | 140                                 | 10×12.5        | 8.92                          | 260                                 | 10×12.5        | 8.92                          | 250                                 |
| 18               | 8×9            | 0.83                          | 215                                 | 8×11.5         | 16.00                         | 135                                 | 8×20           | 6.80                          | 315                                 | 8×20           | 6.80                          | 315                                 |
| 18               |                |                               |                                     | 10×9           | 16.00                         | 140                                 | 10×14          | 6.80                          | 290                                 | 10×14          | 6.80                          | 290                                 |
| 22               | 8×9            | 0.83                          | 215                                 | 8×16           | 8.92                          | 250                                 | 8×20           | 6.80                          | 315                                 | 8×20           | 6.80                          | 315                                 |
| 22               |                |                               |                                     | 10×12.5        | 8.92                          | 250                                 | 10×14          | 6.80                          | 290                                 | 10×14          | 6.80                          | 290                                 |
| 27               | 8×11.5         | 0.64                          | 369                                 |                |                               |                                     |                |                               |                                     |                |                               |                                     |
| 33               | 8×11.5         | 0.50                          | 369                                 | 8×20           | 6.80                          | 315                                 | 10×20          | 6.60                          | 575                                 | 10×20          | 6.60                          | 575                                 |
| 33               | 10×9           | 0.50                          | 369                                 | 10×12.5        | 6.80                          | 450                                 | 12.5×14        | 6.60                          | 670                                 | 12.5×14        | 6.00                          | 650                                 |
| 39               | 8×14           | 0.41                          | 410                                 |                |                               |                                     |                |                               |                                     |                |                               |                                     |
| 39               | 10×12.5        | 0.41                          | 410                                 |                |                               |                                     |                |                               |                                     |                |                               |                                     |
| 47               | 8×16           | 0.32                          | 451                                 | 10×16          | 6.60                          | 580                                 | 12.5×20        | 4.65                          | 870                                 | 12.5×20        | 4.65                          | 870                                 |
| 47               | 10×12.5        | 0.32                          | 451                                 | 12.5×14        | 6.60                          | 650                                 |                |                               |                                     |                |                               |                                     |
| 56               | 8×20           | 0.29                          | 510                                 | 10×20          | 6.60                          | 600                                 | 12.5×20        | 4.65                          | 870                                 | 12.5×20        | 4.65                          | 870                                 |
| 56               | 10×14          | 0.29                          | 565                                 | 12.5×14        | 6.60                          | 670                                 |                |                               |                                     |                |                               |                                     |
| 68               | 8×23           | 0.22                          | 660                                 | 10×23          | 4.65                          | 670                                 | 12.5×25        | 4.31                          | 1150                                | 12.5×25        | 4.31                          | 1150                                |
| 68               | 10×16          | 0.22                          | 660                                 | 12.5×16        | 4.65                          | 770                                 | 16×20          | 4.31                          | 1200                                | 16×20          | 4.31                          | 1200                                |
| 82               | 10×16          | 0.22                          | 660                                 | 10×23          | 4.65                          | 770                                 | 12.5×25        | 4.31                          | 1150                                | 12.5×25        | 4.31                          | 1150                                |
| 82               | 12.5×14        | 0.20                          | 710                                 | 12.5×20        | 4.65                          | 1040                                | 16×20          | 4.31                          | 1200                                | 16×20          | 4.31                          | 1200                                |
| 100              | 10×20          | 0.20                          | 710                                 | 12.5×20        | 4.65                          | 1040                                | 12.5×25        | 4.31                          | 1150                                | 12.5×30        | 3.35                          | 1260                                |
| 100              | 12.5×16        | 0.18                          | 833                                 |                |                               |                                     | 16×20          | 4.31                          | 1200                                | 16×25          | 3.05                          | 1350                                |
| 120              | 10×23          | 0.18                          | 850                                 | 12.5×25        | 4.09                          | 1260                                | 12.5×30        | 3.05                          | 1440                                | 16×25          | 3.05                          | 1350                                |
| 120              | 12.5×16        | 0.18                          | 833                                 | 16×20          | 4.09                          | 1260                                | 16×25          | 3.05                          | 1670                                |                |                               |                                     |
| 150              | 12.5×20        | 0.15                          | 950                                 | 12.5×30        | 4.09                          | 1600                                | 16×25          | 3.05                          | 1670                                | 16×31.5        | 2.71                          | 1780                                |
| 150              |                |                               |                                     | 16×25          | 3.92                          | 1670                                |                |                               |                                     | 18×25          | 2.71                          | 1780                                |
| 180              | 12.5×25        | 0.11                          | 1290                                | 12.5×35        | 3.01                          | 1720                                | 16×35.5        | 2.10                          | 2025                                | 16×35.5        | 2.10                          | 2025                                |
| 180              |                |                               |                                     | 16×25          | 3.92                          | 1670                                | 18×25          | 2.71                          | 2025                                | 18×31.5        | 2.10                          | 2025                                |
| 220              | 16×20          | 0.11                          | 1290                                | 16×31.5        | 2.71                          | 2160                                | 18×31.5        | 2.10                          | 2200                                | 18×35.5        | 1.04                          | 2365                                |
| 220              |                |                               |                                     | 18×25          | 2.71                          | 2090                                |                |                               |                                     |                |                               |                                     |
| 270              | 12.5×30        | 0.0859                        | 1460                                |                |                               |                                     |                |                               |                                     |                |                               |                                     |
| 270              | 16×20          | 0.0859                        | 1460                                |                |                               |                                     |                |                               |                                     |                |                               |                                     |
| 330              | 16×25          | 0.0671                        | 1760                                | 18×31.5        | 1.25                          | 2400                                |                |                               |                                     |                |                               |                                     |
| 330              | 18×20          | 0.0671                        | 1560                                |                |                               |                                     |                |                               |                                     |                |                               |                                     |
| 390              | 16×31.5        | 0.0520                        | 1930                                | 18×35.5        | 1.15                          | 2850                                |                |                               |                                     |                |                               |                                     |
| 390              | 18×25          | 0.0520                        | 1990                                |                |                               |                                     |                |                               |                                     |                |                               |                                     |
| 470              | 16×31.5        | 0.0480                        | 1990                                |                |                               |                                     |                |                               |                                     |                |                               |                                     |
| 470              | 18×25          | 0.0480                        | 1990                                |                |                               |                                     |                |                               |                                     |                |                               |                                     |
| 560              | 16×35.5        | 0.0368                        | 2160                                |                |                               |                                     |                |                               |                                     |                |                               |                                     |
| 560              | 18×31.5        | 0.0368                        | 2050                                |                |                               |                                     |                |                               |                                     |                |                               |                                     |
| 680              | 18×35.5        | 0.0326                        | 2340                                |                |                               |                                     |                |                               |                                     |                |                               |                                     |



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■ 标准品一览表

| 电压(V)            | 350            |                               |                                     | 400            |                               |                                     | 450            |                               |                                     | 500            |                               |                                     |
|------------------|----------------|-------------------------------|-------------------------------------|----------------|-------------------------------|-------------------------------------|----------------|-------------------------------|-------------------------------------|----------------|-------------------------------|-------------------------------------|
| 项目<br>容量<br>(μF) | 尺寸<br>ΦD×L(mm) | 阻抗<br>(Ωmax/100kHz<br>25±2°C) | 纹波电流<br>(mA r.m.s/<br>105°C 100kHz) | 尺寸<br>ΦD×L(mm) | 阻抗<br>(Ωmax/100kHz<br>25±2°C) | 纹波电流<br>(mA r.m.s/<br>105°C 100kHz) | 尺寸<br>ΦD×L(mm) | 阻抗<br>(Ωmax/100kHz<br>25±2°C) | 纹波电流<br>(mA r.m.s/<br>105°C 100kHz) | 尺寸<br>ΦD×L(mm) | 阻抗<br>(Ωmax/100kHz<br>25±2°C) | 纹波电流<br>(mA r.m.s/<br>105°C 100kHz) |
| 1.0              | 6.3×9          | 38.00                         | 68                                  | 6.3×9          | 58.00                         | 68                                  | 6.3×9          | 58.00                         | 77                                  | 6.3×11         | 52.00                         | 40                                  |
| 1.2              | 6.3×9          | 38.00                         | 95                                  | 6.3×9          | 38.00                         | 77                                  | 6.3×9          | 55.00                         | 77                                  | 6.3×11         | 52.00                         | 40                                  |
| 1.5              | 6.3×9          | 38.00                         | 95                                  | 6.3×9          | 38.00                         | 77                                  | 6.3×9          | 55.00                         | 85                                  | 6.3×11         | 52.00                         | 40                                  |
| 1.8              | 6.3×9          | 38.00                         | 104                                 | 6.3×9          | 33.00                         | 90                                  | 6.3×11         | 55.00                         | 90                                  | 8×9            | 48.00                         | 72                                  |
| 1.8              |                |                               |                                     |                |                               |                                     | 8×9            | 45.00                         | 90                                  |                |                               |                                     |
| 2.2              | 6.3×9          | 33.00                         | 120                                 | 6.3×9          | 33.00                         | 90                                  | 8×9            | 45.00                         | 90                                  | 8×11.5         | 45.00                         | 72                                  |
| 2.7              | 6.3×11         | 33.00                         | 120                                 | 6.3×11         | 33.00                         | 110                                 | 8×9            | 45.00                         | 90                                  | 8×11.5         | 45.00                         | 76                                  |
| 2.7              | 8×9            | 27.00                         | 130                                 | 8×9            | 27.00                         | 117                                 |                |                               |                                     |                |                               |                                     |
| 3.3              | 6.3×11         | 33.00                         | 120                                 | 6.3×12         | 33.00                         | 110                                 | 8×11.5         | 25.50                         | 130                                 | 8×11.5         | 45.00                         | 76                                  |
| 3.3              | 8×9            | 27.00                         | 130                                 | 8×9            | 27.00                         | 117                                 | 10×9           | 25.50                         | 130                                 |                |                               |                                     |
| 3.9              | 6.3×12         | 33.00                         | 120                                 | 6.3×12         | 33.00                         | 110                                 | 8×11.5         | 25.50                         | 130                                 | 8×14           | 35.00                         | 92                                  |
| 3.9              | 8×9            | 27.00                         | 130                                 | 8×9            | 27.00                         | 117                                 | 10×9           | 25.50                         | 130                                 |                |                               |                                     |
| 4.7              | 6.3×12         | 33.00                         | 120                                 | 6.3×12         | 33.00                         | 120                                 | 8×11.5         | 25.50                         | 130                                 | 8×16           | 29.00                         | 102                                 |
| 4.7              | 8×9            | 27.00                         | 130                                 | 8×11.5         | 27.00                         | 135                                 | 10×9           | 18.00                         | 130                                 | 10×12.5        | 22.50                         | 102                                 |
| 5.6              | 8×11.5         | 21.00                         | 135                                 | 8×14           | 18.00                         | 180                                 | 8×16           | 13.50                         | 135                                 | 10×14          | 18.00                         | 117                                 |
| 5.6              | 10×9           | 21.00                         | 150                                 | 10×9           | 18.00                         | 180                                 | 10×12.5        | 13.50                         | 180                                 |                |                               |                                     |
| 6.8              | 8×11.5         | 21.00                         | 135                                 | 8×16           | 13.50                         | 180                                 | 8×20           | 9.50                          | 200                                 | 10×14          | 18.00                         | 117                                 |
| 6.8              | 10×9           | 21.00                         | 150                                 | 10×12.5        | 13.50                         | 180                                 | 10×12.5        | 13.50                         | 180                                 |                |                               |                                     |
| 8.2              | 8×16           | 13.50                         | 180                                 | 8×16           | 13.50                         | 180                                 | 8×20           | 9.50                          | 200                                 | 10×16          | 15.00                         | 152                                 |
| 8.2              | 10×12.5        | 13.50                         | 190                                 | 10×12.5        | 13.50                         | 180                                 | 10×14          | 12.00                         | 205                                 |                |                               |                                     |
| 10               | 8×16           | 13.50                         | 180                                 | 8×20           | 9.50                          | 250                                 | 10×16          | 9.50                          | 205                                 | 10×20          | 11.00                         | 216                                 |
| 10               | 10×12.5        | 13.50                         | 220                                 | 10×14          | 9.50                          | 250                                 | 12.5×14        | 9.20                          | 315                                 | 12.5×14        | 10.00                         | 234                                 |
| 12               | 10×14          | 11.00                         | 240                                 | 10×16          | 9.00                          | 280                                 | 10×20          | 8.15                          | 300                                 | 12.5×16        | 9.50                          | 240                                 |
| 15               | 10×16          | 9.50                          | 280                                 | 10×20          | 8.15                          | 310                                 | 10×20          | 8.15                          | 300                                 | 12.5×16        | 9.00                          | 240                                 |
| 15               | 12.5×14        | 8.15                          | 530                                 | 12.5×14        | 8.15                          | 310                                 | 12.5×16        | 8.15                          | 410                                 |                |                               |                                     |
| 18               | 10×20          | 8.15                          | 550                                 | 10×20          | 8.15                          | 310                                 | 12.5×20        | 8.15                          | 410                                 | 12.5×20        | 8.00                          | 288                                 |
| 18               | 12.5×14        | 8.15                          | 530                                 | 12.5×16        | 8.15                          | 330                                 |                |                               |                                     |                |                               |                                     |
| 22               | 12.5×16        | 8.15                          | 600                                 | 12.5×20        | 8.15                          | 500                                 | 12.5×20        | 8.15                          | 410                                 | 12.5×25        | 7.00                          | 423                                 |
| 33               | 12.5×20        | 8.15                          | 865                                 | 12.5×25        | 5.14                          | 670                                 | 12.5×25        | 6.50                          | 650                                 | 12.5×30        | 6.50                          | 508                                 |
| 33               |                |                               |                                     | 16×20          | 4.54                          | 670                                 | 16×20          | 4.14                          | 650                                 |                |                               |                                     |
| 47               | 12.5×25        | 4.14                          | 960                                 | 12.5×30        | 4.14                          | 1035                                | 12.5×35        | 3.50                          | 950                                 | 12.5×35        | 5.50                          | 630                                 |
| 47               | 16×20          | 4.14                          | 1000                                | 16×25          | 4.14                          | 1035                                | 16×25          | 3.50                          | 950                                 | 16×25          | 3.50                          | 630                                 |
| 56               | 12.5×25        | 4.14                          | 960                                 | 16×25          | 4.14                          | 1035                                | 16×31.5        | 3.50                          | 1100                                | 16×31.5        | 2.50                          | 648                                 |
| 56               | 16×20          | 4.14                          | 1000                                | 18×20          | 4.14                          | 1280                                | 18×25          | 3.50                          | 1060                                |                |                               |                                     |
| 68               | 16×25          | 4.05                          | 1150                                | 16×31.5        | 3.50                          | 1315                                | 16×35.5        | 3.05                          | 1240                                | 16×35.5        | 2.30                          | 756                                 |
| 68               | 18×20          | 3.50                          | 1330                                | 18×25          | 3.50                          | 1330                                | 18×31.5        | 3.05                          | 1290                                | 18×31.5        | 2.30                          | 756                                 |
| 82               | 16×31.5        | 3.50                          | 1400                                | 16×35.5        | 3.05                          | 1720                                | 16×40          | 2.95                          | 1510                                | 18×35.5        | 1.80                          | 990                                 |
| 82               | 18×25          | 3.50                          | 1600                                | 18×31.5        | 3.05                          | 1720                                | 18×31.5        | 3.05                          | 1290                                |                |                               |                                     |
| 100              | 16×31.5        | 3.50                          | 2010                                | 18×31.5        | 3.05                          | 2010                                | 18×35.5        | 2.75                          | 1490                                | 18×40          | 1.50                          | 1020                                |
| 100              | 18×25          | 3.50                          | 2010                                |                |                               |                                     |                |                               |                                     |                |                               |                                     |
| 120              | 16×35.5        | 3.05                          | 2080                                | 18×35.5        | 2.05                          | 2250                                | 18×40          | 2.05                          | 1740                                |                |                               |                                     |
| 120              | 18×31.5        | 3.05                          | 2010                                |                |                               |                                     |                |                               |                                     |                |                               |                                     |
| 150              | 18×35.5        | 2.05                          | 2450                                | 18×40          | 2.00                          | 2500                                | 18×45          | 2.00                          | 1950                                |                |                               |                                     |



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