



# LK

- ◆ 小体积 耐高频大纹波电流 高频低阻抗 电源专用产品
- ◆ 105℃环境下6000小时~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.DC -55℃~+105℃ ; 160~500V.DC -40℃~+105℃   |         |              |      |      |        |        |      |      |     |                   |      |      |      |      |      |      |      |      |         |     |     |     |     |     |     |     |     |                   |      |      |      |      |      |      |      |      |
| 标称电压范围  | 10~500V.DC   |         |              |      |      |        |        |      |      |     |                   |      |      |      |      |      |      |      |      |         |     |     |     |     |     |     |     |     |                   |      |      |      |      |      |      |      |      |
| 容量允许偏差  | ±20% (25±2℃ 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   |         |              |      |      |        |        |      |      |     |                   |      |      |      |      |      |      |      |      |         |     |     |     |     |     |     |     |     |                   |      |      |      |      |      |      |      |      |
|   | 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<br>(25±2℃ 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> | 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 |      |     |                   |      |      |      |      |      |      |      |      |         |     |     |     |     |     |     |     |     |                   |      |      |      |      |      |      |      |      |
| 标称容量超过1000μF者, 则每增加1000μF, 损耗角正切值增加0.02                                 |  |         |              |      |      |        |        |      |      |     |                   |      |      |      |      |      |      |      |      |         |     |     |     |     |     |     |     |     |                   |      |      |      |      |      |      |      |      |
| 温度特性<br>(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℃)/Z(20℃)</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℃)/Z(20℃)</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℃)/Z(20℃) | 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℃)/Z(20℃) | 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℃)/Z(20℃)  | 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℃)/Z(20℃)   | 5  | 5       | 5            | 5    | 7    | 7      | 7      | 8    |      |     |                   |      |      |      |      |      |      |      |      |         |     |     |     |     |     |     |     |     |                   |      |      |      |      |      |      |      |      |
| 在105℃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℃, 电容器的性能应满足如下要求 |  |         |              |      |      |        |        |      |      |     |                   |      |      |      |      |      |      |      |      |         |     |     |     |     |     |     |     |     |                   |      |      |      |      |      |      |      |      |
| 耐久性   | 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   |         | ≤ φ 5~ φ 6.3 |      |      |        | 6000小时 |      |      |     |                   |      |      |      |      |      |      |      |      |         |     |     |     |     |     |     |     |     |                   |      |      |      |      |      |      |      |      |
|   |  | ≥ φ 8   |              |      |      | 8000小时 |        |      |      |     |                   |      |      |      |      |      |      |      |      |         |     |     |     |     |     |     |     |     |                   |      |      |      |      |      |      |      |      |
| 高温储存  | 在105℃下, 储存1000小时, 置于常温16小时后测试, 测试温度25±2℃, 电容器的性能应满足如下要求  |         |              |      |      |        |        |      |      |     |                   |      |      |      |      |      |      |      |      |         |     |     |     |     |     |     |     |     |                   |      |      |      |      |      |      |      |      |
|   | 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  |      |      |        |        |      |      |     |                   |      |      |      |      |      |      |      |      |         |     |     |     |     |     |     |     |     |                   |      |      |      |      |      |      |      |      |



■ 标准品一览表

| 电压(V)                  | 10            |  |                                     | 16            |  |                                     | 25            |  |                                     | 35            |  |                                     |
|------------------------|---------------|--|-------------------------------------|---------------|--|-------------------------------------|---------------|--|-------------------------------------|---------------|--|-------------------------------------|
| 项目<br>容量<br>( $\mu$ F) | 尺寸<br>D×L(mm) | 阻抗<br>( $\Omega$ max/100kHz<br>25±2°C) | 纹波电流<br>(mA r.m.s/<br>105°C 100kHz) | 尺寸<br>D×L(mm) | 阻抗<br>( $\Omega$ max/100kHz<br>25±2°C) | 纹波电流<br>(mA r.m.s/<br>105°C 100kHz) | 尺寸<br>D×L(mm) | 阻抗<br>( $\Omega$ max/100kHz<br>25±2°C) | 纹波电流<br>(mA r.m.s/<br>105°C 100kHz) | 尺寸<br>D×L(mm) | 阻抗<br>( $\Omega$ max/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                                |



■ 标准品一览表

| 电压(V)                   | 10            |                                       |                                    | 16            |                                       |                                    | 25            |                                       |                                    | 35            |                                       |                                    |
|-------------------------|---------------|---------------------------------------|------------------------------------|---------------|---------------------------------------|------------------------------------|---------------|---------------------------------------|------------------------------------|---------------|---------------------------------------|------------------------------------|
| 项目<br>容量<br>( $\mu F$ ) | 尺寸<br>D×L(mm) | 阻抗<br>( $\Omega$ max/100KHz<br>25±2℃) | 纹波电流<br>(mA r.m.s/<br>105℃ 100KHz) | 尺寸<br>D×L(mm) | 阻抗<br>( $\Omega$ max/100KHz<br>25±2℃) | 纹波电流<br>(mA r.m.s/<br>105℃ 100KHz) | 尺寸<br>D×L(mm) | 阻抗<br>( $\Omega$ max/100KHz<br>25±2℃) | 纹波电流<br>(mA r.m.s/<br>105℃ 100KHz) | 尺寸<br>D×L(mm) | 阻抗<br>( $\Omega$ max/100KHz<br>25±2℃) | 纹波电流<br>(mA r.m.s/<br>105℃ 100KHz) |
| 1800                    | 12.5×14       | 0.0600                                | 1808                               | 12.5×16       | 0.0500                                | 1910                               |               |                                       |                                    | 16×20         | 0.0210                                | 3270                               |
| 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>( $\mu F$ ) | 尺寸<br>D×L(mm) | 阻抗<br>( $\Omega$ max/100KHz<br>25±2℃) | 纹波电流<br>(mA r.m.s/<br>105℃ 100KHz) | 尺寸<br>D×L(mm) | 阻抗<br>( $\Omega$ max/100KHz<br>25±2℃) | 纹波电流<br>(mA r.m.s/<br>105℃ 100KHz) | 尺寸<br>D×L(mm) | 阻抗<br>( $\Omega$ max/100KHz<br>25±2℃) | 纹波电流<br>(mA r.m.s/<br>105℃ 100KHz) | 尺寸<br>D×L(mm) | 阻抗<br>( $\Omega$ max/100KHz<br>25±2℃) | 纹波电流<br>(mA r.m.s/<br>105℃ 100KHz) |
| 0.47                    | 5×9           | 5.50                                  | 20                                 | 5×9           | 3.00                                  | 22                                 | 5×9           | 3.00                                  | 23                                 | 5×9           | 5.00                                  | 23                                 |
| 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                                |



■ 标准品一览表

| 电压(V)                  | 50            |  |                                     | 63            |  |                                     | 80            |  |                                     | 100           |  |                                     |
|------------------------|---------------|--|-------------------------------------|---------------|--|-------------------------------------|---------------|--|-------------------------------------|---------------|--|-------------------------------------|
| 项目<br>容量<br>( $\mu$ F) | 尺寸<br>D×L(mm) | 阻抗<br>( $\Omega$ max/100kHz<br>25±2°C) | 纹波电流<br>(mA r.m.s/<br>105°C 100kHz) | 尺寸<br>D×L(mm) | 阻抗<br>( $\Omega$ max/100kHz<br>25±2°C) | 纹波电流<br>(mA r.m.s/<br>105°C 100kHz) | 尺寸<br>D×L(mm) | 阻抗<br>( $\Omega$ max/100kHz<br>25±2°C) | 纹波电流<br>(mA r.m.s/<br>105°C 100kHz) | 尺寸<br>D×L(mm) | 阻抗<br>( $\Omega$ max/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                                | 12.5×20       | 0.0673                                 | 1415                                | 12.5×25       | 0.0673                                 | 1460                                | 16×25         | 0.0480                                 | 1990                                |
| 470                    | 10×20         | 0.0695                                 | 1430                                |               |  |                                     | 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                                |



■ 标准品一览表

| 电压(V)                  | 50            |  |                                     | 63            |  |                                     | 80            |  |                                     | 100           |  |                                     |
|------------------------|---------------|--|-------------------------------------|---------------|--|-------------------------------------|---------------|--|-------------------------------------|---------------|--|-------------------------------------|
| 项目<br>容量<br>( $\mu$ F) | 尺寸<br>D×L(mm) | 阻抗<br>( $\Omega$ max/100KHz<br>25±2°C) | 纹波电流<br>(mA r.m.s/<br>105°C 100KHz) | 尺寸<br>D×L(mm) | 阻抗<br>( $\Omega$ max/100KHz<br>25±2°C) | 纹波电流<br>(mA r.m.s/<br>105°C 100KHz) | 尺寸<br>D×L(mm) | 阻抗<br>( $\Omega$ max/100KHz<br>25±2°C) | 纹波电流<br>(mA r.m.s/<br>105°C 100KHz) | 尺寸<br>D×L(mm) | 阻抗<br>( $\Omega$ max/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>( $\mu$ F) | 尺寸<br>D×L(mm) | 阻抗<br>( $\Omega$ max/100KHz<br>25±2°C) | 纹波电流<br>(mA r.m.s/<br>105°C 100Hz) | 尺寸<br>D×L(mm) | 阻抗<br>( $\Omega$ max/100KHz<br>25±2°C) | 纹波电流<br>(mA r.m.s/<br>105°C 100Hz) | 尺寸<br>D×L(mm) | 阻抗<br>( $\Omega$ max/100KHz<br>25±2°C) | 纹波电流<br>(mA r.m.s/<br>105°C 100Hz) | 尺寸<br>D×L(mm) | 阻抗<br>( $\Omega$ max/100KHz<br>25±2°C) | 纹波电流<br>(mA r.m.s/<br>105°C 100Hz) |
| 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                                  | 65                                 | 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                                |



■ 标准品一览表

| 电压(V)                  | 120           |  |                                     | 160           |  |                                     | 200           |  |                                     | 250           |  |                                     |
|------------------------|---------------|--|-------------------------------------|---------------|--|-------------------------------------|---------------|--|-------------------------------------|---------------|--|-------------------------------------|
| 项目<br>容量<br>( $\mu$ F) | 尺寸<br>D×L(mm) | 阻抗<br>( $\Omega$ max/100kHz<br>25±2°C) | 纹波电流<br>(mA r.m.s/<br>105°C 100kHz) | 尺寸<br>D×L(mm) | 阻抗<br>( $\Omega$ max/100kHz<br>25±2°C) | 纹波电流<br>(mA r.m.s/<br>105°C 100kHz) | 尺寸<br>D×L(mm) | 阻抗<br>( $\Omega$ max/100kHz<br>25±2°C) | 纹波电流<br>(mA r.m.s/<br>105°C 100kHz) | 尺寸<br>D×L(mm) | 阻抗<br>( $\Omega$ max/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                                |               |  |                                     |               |  |                                     |               |  |                                     |



■ 标准品一览表

| 电压(V)                   | 120           |                                       |                                    | 160           |                                       |                                    | 200           |                                       |                                    | 250           |                                       |                                    |
|-------------------------|---------------|---------------------------------------|------------------------------------|---------------|---------------------------------------|------------------------------------|---------------|---------------------------------------|------------------------------------|---------------|---------------------------------------|------------------------------------|
| 项目<br>容量<br>( $\mu F$ ) | 尺寸<br>D×L(mm) | 阻抗<br>( $\Omega$ max/100KHz<br>25±2℃) | 纹波电流<br>(mA r.m.s/<br>105℃ 100KHz) | 尺寸<br>D×L(mm) | 阻抗<br>( $\Omega$ max/100KHz<br>25±2℃) | 纹波电流<br>(mA r.m.s/<br>105℃ 100KHz) | 尺寸<br>D×L(mm) | 阻抗<br>( $\Omega$ max/100KHz<br>25±2℃) | 纹波电流<br>(mA r.m.s/<br>105℃ 100KHz) | 尺寸<br>D×L(mm) | 阻抗<br>( $\Omega$ max/100KHz<br>25±2℃) | 纹波电流<br>(mA r.m.s/<br>105℃ 100KHz) |
| 560                     | 16×35.5       | 0.0368                                | 2160                               |               |                                       |                                    |               |                                       |                                    |               |                                       |                                    |
| 560                     | 18×31.5       | 0.0368                                | 2050                               |               |                                       |                                    |               |                                       |                                    |               |                                       |                                    |
| 680                     | 18×35.5       | 0.0326                                | 2340                               |               |                                       |                                    |               |                                       |                                    |               |                                       |                                    |

| 电压(V)                   | 350           |                                       |                                    | 400           |                                       |                                    | 450           |                                       |                                    | 500           |                                       |                                    |
|-------------------------|---------------|---------------------------------------|------------------------------------|---------------|---------------------------------------|------------------------------------|---------------|---------------------------------------|------------------------------------|---------------|---------------------------------------|------------------------------------|
| 项目<br>容量<br>( $\mu F$ ) | 尺寸<br>D×L(mm) | 阻抗<br>( $\Omega$ max/100KHz<br>25±2℃) | 纹波电流<br>(mA r.m.s/<br>105℃ 100KHz) | 尺寸<br>D×L(mm) | 阻抗<br>( $\Omega$ max/100KHz<br>25±2℃) | 纹波电流<br>(mA r.m.s/<br>105℃ 100KHz) | 尺寸<br>D×L(mm) | 阻抗<br>( $\Omega$ max/100KHz<br>25±2℃) | 纹波电流<br>(mA r.m.s/<br>105℃ 100KHz) | 尺寸<br>D×L(mm) | 阻抗<br>( $\Omega$ max/100KHz<br>25±2℃) | 纹波电流<br>(mA r.m.s/<br>105℃ 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                                |

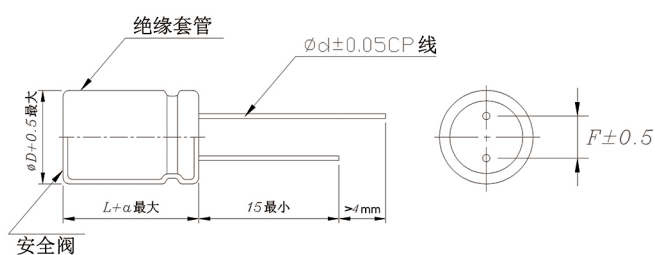


# LK

## ■ 标准品一览表

| 电压(V)                   | 350           |                                       |                                    | 400           |                                       |                                    | 450           |                                       |                                    | 500           |                                       |                                    |
|-------------------------|---------------|---------------------------------------|------------------------------------|---------------|---------------------------------------|------------------------------------|---------------|---------------------------------------|------------------------------------|---------------|---------------------------------------|------------------------------------|
| 项目<br>容量<br>( $\mu F$ ) | 尺寸<br>D×L(mm) | 阻抗<br>( $\Omega$ max/100kHz<br>25±2℃) | 纹波电流<br>(mA r.m.s/<br>105℃ 100kHz) | 尺寸<br>D×L(mm) | 阻抗<br>( $\Omega$ max/100kHz<br>25±2℃) | 纹波电流<br>(mA r.m.s/<br>105℃ 100kHz) | 尺寸<br>D×L(mm) | 阻抗<br>( $\Omega$ max/100kHz<br>25±2℃) | 纹波电流<br>(mA r.m.s/<br>105℃ 100kHz) | 尺寸<br>D×L(mm) | 阻抗<br>( $\Omega$ max/100kHz<br>25±2℃) | 纹波电流<br>(mA r.m.s/<br>105℃ 100kHz) |
| 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                               |               |                                       |                                    |

## ■ 产品尺寸图 (单位: mm)



备注:  $\geq \phi 6.3$  产品有安全阀

|      |       |
|------|-------|
| L=9  | a=1.0 |
| L≤16 | a=1.5 |
| L>16 | a=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 |

## ■ 纹波电流补偿系数

### ① 频率修正系数

|      |      |      |      |         |      |
|------|------|------|------|---------|------|
| 频率   | 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(℃) | 50℃ | 70℃ | 85℃ | 105℃ |
| 修正因子    | 2.1 | 1.8 | 1.4 | 1.0  |