

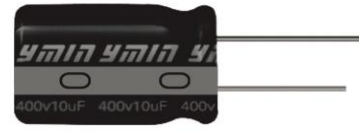
## LKF系列

电源专用标准产品

特长：105℃环境下 7000~10000小时

标准品、耐高频大纹波电流、高频低阻抗

ROHS指令对应品



### 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)                                   | 10WV~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                    |             |      |             |      |      |      |      |      |
|  | 160WV~500WV I≤0.02CV+10 (μA) C:标称容量(μF) V:额定电压(V) 2分钟读数                     |             |      |             |      |      |      |      |      |
| 损耗角正切值 (25±2℃ 120Hz)                       | 额定电压(V)   | 10          | 16   | 25          | 35   | 50   | 63   | 80   | 100  |
|  | tgδ   | 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  |
|  | tgδ   | 0.09        | 0.09 | 0.08        | 0.08 | 0.10 | 0.10 | 0.12 | 0.20 |
| 标称容量超过1000 μF者, 则每增加1000 μF, 损耗角正切值增加0.02。 |   |             |      |             |      |      |      |      |      |
| 温度特性 (120Hz)                               | 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    |
| 耐久性  | 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: |             |      |             |      |      |      |      |      |
|  | 容量变化率   | 在初始值的±20%以内 |      |             |      |      |      |      |      |
|  | 损耗角正切值  | 在规定值的200%以下 |      |             |      |      |      |      |      |
|  | 漏电流   | 在规定值以下      |      |             |      |      |      |      |      |
|  | 负荷寿命  | φ5 7000小时   |      | φ6.3 9000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 |      |             |      |      |      |      |      |

### LKF标准品一览表:

| 电压(V)<br>项目<br>容量(μF) | 10             |   |                                    | 16             |   |                                    | 25             |   |                                    | 35             |   |                                    |
|-----------------------|----------------|---|------------------------------------|----------------|---|------------------------------------|----------------|---|------------------------------------|----------------|---|------------------------------------|
|                       | 尺寸<br>D×L (mm) | 阻抗<br>(Ω <sub>max</sub> /100KHz<br>25±2℃) | 纹波电流<br>(mA r.m.s./105℃<br>100KHz) | 尺寸<br>D×L (mm) | 阻抗<br>(Ω <sub>max</sub> /100KHz<br>25±2℃) | 纹波电流<br>(mA r.m.s./105℃<br>100KHz) | 尺寸<br>D×L (mm) | 阻抗<br>(Ω <sub>max</sub> /100KHz<br>25±2℃) | 纹波电流<br>(mA r.m.s./105℃<br>100KHz) | 尺寸<br>D×L (mm) | 阻抗<br>(Ω <sub>max</sub> /100KHz<br>25±2℃) | 纹波电流<br>(mA r.m.s./105℃<br>100KHz) |
| 10                    | 5×9            | 1.10                                      | 56                                 | 5×9            | 1.10                                      | 71                                 | 5×9            | 1.10                                      | 91                                 | 5×9            | 1.40                                      | 101                                |
| 15                    | 5×9            | 1.10                                      | 76                                 | 5×9            | 1.10                                      | 91                                 | 5×9            | 1.10                                      | 111                                | 5×9            | 1.10                                      | 121                                |
| 22                    | 5×9            | 0.40                                      | 91                                 | 5×9            | 0.40                                      | 111                                | 5×9            | 1.10                                      | 121                                | 5×9            | 1.10                                      | 160                                |
| 33                    | 5×9            | 0.40                                      | 106                                | 5×9            | 0.40                                      | 121                                | 5×9            | 0.40                                      | 151                                | 5×9            | 0.40                                      | 215                                |
| 39                    | 5×9            | 0.26                                      | 136                                | 5×9            | 0.40                                      | 151                                | 5×9            | 0.40                                      | 181                                | 5×11           | 0.40                                      | 345                                |
| 47                    | 5×9            | 0.26                                      | 143                                | 5×9            | 0.26                                      | 161                                | 5×9            | 0.26                                      | 211                                | 5×11           | 0.37                                      | 345                                |
| 56                    | 5×9            | 0.26                                      | 151                                | 5×9            | 0.26                                      | 171                                | 5×9            | 0.26                                      | 310                                | 6.3×9          | 0.34                                      | 486                                |
| 68                    | 5×9            | 0.26                                      | 161                                | 5×9            | 0.26                                      | 181                                | 5×11           | 0.24                                      | 345                                | 6.3×11         | 0.16                                      | 540                                |
|                       |                |   |                                    |                |   |                                    |                |   |                                    | 8×9            | 0.10                                      | 550                                |
| 82                    | 5×9            | 0.26                                      | 171                                | 5×9            | 0.26                                      | 211                                | 6.3×9          | 0.34                                      | 486                                | 6.3×11         | 0.16                                      | 540                                |
|                       |                |   |                                    |                |   |                                    |                |   |                                    | 8×9            | 0.10                                      | 550                                |
| 100                   | 5×9            | 0.26                                      | 181                                | 5×11           | 0.24                                      | 345                                | 6.3×9          | 0.34                                      | 486                                | 6.3×11         | 0.16                                      | 540                                |
| 120                   |                |   |                                    |                |   |                                    |                |   |                                    | 8×9            | 0.10                                      | 550                                |
|                       |                |   |                                    |                |   |                                    |                |   |                                    | 8×9            | 0.10                                      | 550                                |
| 150                   | 5×9            | 0.26                                      | 211                                | 5×11           | 0.24                                      | 345                                | 6.3×11         | 0.10                                      | 540                                | 8×9            | 0.10                                      | 550                                |
|                       |                |   |                                    |                |   |                                    |                |   |                                    | 8×9            | 0.10                                      | 550                                |
| 180                   | 5×11           | 0.24                                      | 345                                | 6.3×9          | 0.34                                      | 486                                | 6.3×11         | 0.10                                      | 540                                | 8×11.5         | 0.0980                                    | 945                                |
|                       |                |   |                                    |                |   |                                    |                |   |                                    | 8×9            | 0.10                                      | 550                                |
| 220                   | 5×11           | 0.24                                      | 345                                | 6.3×9          | 0.34                                      | 486                                | 8×9            | 0.10                                      | 550                                | 10×9           | 0.0980                                    | 950                                |
|                       |                |   |                                    |                |   |                                    |                |   |                                    | 10×9           | 0.0980                                    | 950                                |
| 270                   | 6.3×9          | 0.34                                      | 486                                | 8×9            | 0.21                                      | 550                                | 8×11.5         | 0.0980                                    | 945                                | 8×16           | 0.0950                                    | 1250                               |
|                       |                |   |                                    |                |   |                                    |                |   |                                    | 10×9           | 0.0980                                    | 950                                |
| 330                   | 6.3×11         | 0.21                                      | 540                                | 8×9            | 0.2100                                    | 550                                | 8×11.5         | 0.0980                                    | 945                                | 10×12.5        | 0.0900                                    | 1330                               |
|                       | 8×9            | 0.15                                      | 550                                |                |   |                                    |                |   |                                    |                |   |                                    |
| 390                   | 8×9            | 0.15                                      | 550                                | 8×11.5         | 0.0980                                    | 945                                | 8×16           | 0.0900                                    | 1250                               | 8×20           | 0.0319                                    | 1500                               |
|                       |                |   |                                    |                |   |                                    |                |   |                                    | 10×9           | 0.0980                                    | 950                                |
| 470                   | 8×9            | 0.15                                      | 550                                | 8×11.5         | 0.0680                                    | 945                                | 10×12.5        | 0.0900                                    | 1330                               | 10×16          | 0.0400                                    | 1850                               |
|                       |                |   |                                    |                |   |                                    |                |   |                                    | 10×9           | 0.0980                                    | 950                                |
| 560                   | 8×11.5         | 0.0980                                    | 945                                | 8×16           | 0.0900                                    | 1250                               | 8×20           | 0.0319                                    | 1500                               | 10×20          | 0.0280                                    | 1960                               |
|                       | 10×9           | 0.0980                                    | 950                                | 10×9           | 0.0980                                    | 950                                | 10×14          | 0.0400                                    | 1760                               | 12.5×16        | 0.0420                                    | 2120                               |
| 680                   | 8×11.5         | 0.0980                                    | 945                                | 8×16           | 0.0900                                    | 1250                               | 10×16          | 0.0400                                    | 1850                               | 10×23          | 0.0198                                    | 2250                               |
|                       | 10×9           | 0.0980                                    | 950                                | 10×12.5        | 0.0900                                    | 1330                               |                |   |                                    | 12.5×20        | 0.0280                                    | 2480                               |
| 820                   | 8×16           | 0.0900                                    | 1250                               | 8×20           | 0.0319                                    | 1500                               | 10×20          | 0.0220                                    | 1960                               | 12.5×20        | 0.0280                                    | 2480                               |
|                       | 10×12.5        | 0.0900                                    | 1330                               | 10×14          | 0.0400                                    | 1760                               | 12.5×16        | 0.0320                                    | 2120                               |                |   |                                    |
| 1000                  | 8×16           | 0.0900                                    | 1250                               | 8×20           | 0.0319                                    | 1500                               | 10×20          | 0.0220                                    | 1960                               | 12.5×20        | 0.0280                                    | 2480                               |
|                       | 10×12.5        | 0.0900                                    | 1330                               | 10×16          | 0.0400                                    | 1850                               | 12.5×16        | 0.0320                                    | 2120                               |                |   |                                    |
| 1200                  | 8×20           | 0.0319                                    | 1500                               | 10×16          | 0.0400                                    | 1850                               | 12.5×20        | 0.0280                                    | 2480                               | 12.5×25        | 0.0280                                    | 2900                               |
|                       | 10×14          | 0.0400                                    | 1760                               |                |   |                                    |                |   |                                    |                |   |                                    |
| 1500                  | 8×20           | 0.0319                                    | 1500                               | 10×20          | 0.0220                                    | 1960                               | 12.5×20        | 0.0280                                    | 2480                               | 12.5×30        | 0.0143                                    | 3450                               |
|                       | 10×16          | 0.0400                                    | 1850                               | 12.5×16        | 0.0420                                    | 2120                               |                |   |                                    | 16×20          | 0.0230                                    | 3250                               |
| 1800                  | 10×20          | 0.0308                                    | 1960                               | 10×20          | 0.0220                                    | 1960                               | 12.5×25        | 0.0230                                    | 2900                               | 12.5×35        | 0.0132                                    | 3570                               |
|                       | 12.5×16        | 0.0420                                    | 2120                               | 12.5×16        | 0.0420                                    | 2120                               |                |   |                                    | 16×25          | 0.0165                                    | 3630                               |
| 2200                  | 10×20          | 0.0308                                    | 1960                               | 12.5×20        | 0.0280                                    | 2480                               | 12.5×25        | 0.0230                                    | 2900                               | 16×25          | 0.0143                                    | 3630                               |
|                       | 12.5×16        | 0.0420                                    | 2120                               |                |   |                                    | 16×20          | 0.0230                                    | 3250                               |                |   |                                    |
| 2700                  | 10×23          | 0.0280                                    | 2250                               | 12.5×20        | 0.0280                                    | 2480                               | 12.5×35        | 0.0132                                    | 3570                               | 16×35.5        | 0.0110                                    | 4010                               |
|                       | 12.5×20        | 0.0280                                    | 2480                               |                |   |                                    | 16×25          | 0.0143                                    | 3630                               | 18×31.5        | 0.0110                                    | 4010                               |
| 3300                  | 12.5×20        | 0.0280                                    | 2480                               | 12.5×25        | 0.0280                                    | 2900                               | 12.5×40        | 0.0121                                    | 3890                               | 16×40          | 0.0100                                    | 4080                               |
|                       |                |   |                                    |                |   |                                    | 16×25          | 0.0143                                    | 3630                               | 18×35.5        | 0.0100                                    | 4080                               |
| 3900                  | 12.5×25        | 0.0280                                    | 2900                               | 12.5×30        | 0.0143                                    | 3450                               | 16×31.5        | 0.0121                                    | 3890                               | 18×35.5        | 0.0100                                    | 4080                               |
|                       |                |   |                                    | 16×20          | 0.0230                                    | 3250                               | 18×25          | 0.0132                                    | 3650                               |                |   |                                    |
| 4700                  | 12.5×30        | 0.0143                                    | 3450                               | 12.5×30        | 0.0143                                    | 3450                               | 16×31.5        | 0.0121                                    | 3890                               |                |   |                                    |
|                       | 16×20          | 0.0230                                    | 3250                               | 16×25          | 0.0143                                    | 3630                               | 18×25          | 0.0110                                    | 4010                               |                |   |                                    |

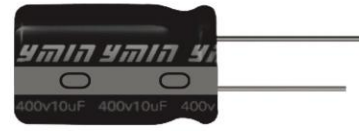
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电源专用标准产品

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### 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)                                   | 10WV~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              |             |      |             |      |      |      |      |      |
|  | 160WV~500WV I≤0.02CV+10 (μA) C:标称容量(μF) V:额定电压(V) 2分钟读数               |             |      |             |      |      |      |      |      |
| 损耗角正切值 (25±2℃ 120Hz)                       | 额定电压(V)   | 10          | 16   | 25          | 35   | 50   | 63   | 80   | 100  |
|  | tgδ   | 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  |
|  | tgδ   | 0.09        | 0.09 | 0.08        | 0.08 | 0.10 | 0.10 | 0.12 | 0.20 |
| 标称容量超过1000 μF者, 则每增加1000 μF, 损耗角正切值增加0.02。 |   |             |      |             |      |      |      |      |      |
| 温度特性 (120Hz)                               | 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    |
| 耐久性  | 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: |             |      |             |      |      |      |      |      |
|  | 容量变化率   | 在初始值的±20%以内 |      |             |      |      |      |      |      |
|  | 损耗角正切值  | 在规定值的200%以下 |      |             |      |      |      |      |      |
|  | 漏电流   | 在规定值以下      |      |             |      |      |      |      |      |
|  | 负荷寿命  | φ5 7000小时   |      | φ6.3 9000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 |      |             |      |      |      |      |      |

### LKF标准品一览表:

| 电压(V)<br>项目<br>容量(μF) | 10            |   |                                    | 16            |   |                                    | 25            |   |                                    | 35            |   |                                    |
|-----------------------|---------------|---|------------------------------------|---------------|---|------------------------------------|---------------|---|------------------------------------|---------------|---|------------------------------------|
|                       | 尺寸<br>D×L(mm) | 阻抗<br>(Ω <sub>max</sub> /100KHz<br>25±2℃) | 纹波电流<br>(mA r.m.s./105℃<br>100KHz) | 尺寸<br>D×L(mm) | 阻抗<br>(Ω <sub>max</sub> /100KHz<br>25±2℃) | 纹波电流<br>(mA r.m.s./105℃<br>100KHz) | 尺寸<br>D×L(mm) | 阻抗<br>(Ω <sub>max</sub> /100KHz<br>25±2℃) | 纹波电流<br>(mA r.m.s./105℃<br>100KHz) | 尺寸<br>D×L(mm) | 阻抗<br>(Ω <sub>max</sub> /100KHz<br>25±2℃) | 纹波电流<br>(mA r.m.s./105℃<br>100KHz) |
| 10                    | 5×9           | 1.10                                      | 56                                 | 5×9           | 1.10                                      | 71                                 | 5×9           | 1.10                                      | 91                                 | 5×9           | 1.40                                      | 101                                |
| 15                    | 5×9           | 1.10                                      | 76                                 | 5×9           | 1.10                                      | 91                                 | 5×9           | 1.10                                      | 111                                | 5×9           | 1.10                                      | 121                                |
| 22                    | 5×9           | 0.40                                      | 91                                 | 5×9           | 0.40                                      | 111                                | 5×9           | 1.10                                      | 121                                | 5×9           | 1.10                                      | 160                                |
| 33                    | 5×9           | 0.40                                      | 106                                | 5×9           | 0.40                                      | 121                                | 5×9           | 0.40                                      | 151                                | 5×9           | 0.40                                      | 215                                |
| 39                    | 5×9           | 0.26                                      | 136                                | 5×9           | 0.40                                      | 151                                | 5×9           | 0.40                                      | 181                                | 5×11          | 0.40                                      | 345                                |
| 47                    | 5×9           | 0.26                                      | 143                                | 5×9           | 0.26                                      | 161                                | 5×9           | 0.26                                      | 211                                | 5×11          | 0.37                                      | 345                                |
| 56                    | 5×9           | 0.26                                      | 151                                | 5×9           | 0.26                                      | 171                                | 5×9           | 0.26                                      | 310                                | 6.3×9         | 0.34                                      | 486                                |
| 68                    | 5×9           | 0.26                                      | 161                                | 5×9           | 0.26                                      | 181                                | 5×11          | 0.24                                      | 345                                | 6.3×11        | 0.16                                      | 540                                |
|                       |               |   |                                    |               |   |                                    |               |   |                                    | 8×9           | 0.10                                      | 550                                |
| 82                    | 5×9           | 0.26                                      | 171                                | 5×9           | 0.26                                      | 211                                | 6.3×9         | 0.34                                      | 486                                | 6.3×11        | 0.16                                      | 540                                |
|                       |               |   |                                    |               |   |                                    |               |   |                                    | 8×9           | 0.10                                      | 550                                |
| 100                   | 5×9           | 0.26                                      | 181                                | 5×11          | 0.24                                      | 345                                | 6.3×9         | 0.34                                      | 486                                | 6.3×11        | 0.16                                      | 540                                |
| 120                   |               |   |                                    |               |   |                                    |               |   |                                    | 8×9           | 0.10                                      | 550                                |
|                       |               |   |                                    |               |   |                                    |               |   |                                    | 8×9           | 0.10                                      | 550                                |
| 150                   | 5×9           | 0.26                                      | 211                                | 5×11          | 0.24                                      | 345                                | 6.3×11        | 0.10                                      | 540                                | 8×9           | 0.10                                      | 550                                |
|                       |               |   |                                    |               |   |                                    |               |   |                                    | 8×9           | 0.10                                      | 550                                |
| 180                   | 5×11          | 0.24                                      | 345                                | 6.3×9         | 0.34                                      | 486                                | 6.3×11        | 0.10                                      | 540                                | 8×11.5        | 0.0980                                    | 945                                |
|                       |               |   |                                    |               |   |                                    |               |   |                                    | 8×9           | 0.10                                      | 550                                |
| 220                   | 5×11          | 0.24                                      | 345                                | 6.3×9         | 0.34                                      | 486                                | 8×9           | 0.10                                      | 550                                | 10×9          | 0.0980                                    | 950                                |
|                       |               |   |                                    |               |   |                                    |               |   |                                    | 10×9          | 0.0980                                    | 950                                |
| 270                   | 6.3×9         | 0.34                                      | 486                                | 8×9           | 0.21                                      | 550                                | 8×11.5        | 0.0980                                    | 945                                | 8×16          | 0.0950                                    | 1250                               |
|                       |               |   |                                    |               |   |                                    |               |   |                                    | 10×9          | 0.0980                                    | 950                                |
| 330                   | 6.3×11        | 0.21                                      | 540                                | 8×9           | 0.2100                                    | 550                                | 8×11.5        | 0.0980                                    | 945                                | 10×12.5       | 0.0900                                    | 1330                               |
|                       | 8×9           | 0.15                                      | 550                                |               |   |                                    |               |   |                                    |               |   |                                    |
| 390                   | 8×9           | 0.15                                      | 550                                | 8×11.5        | 0.0980                                    | 945                                | 8×16          | 0.0900                                    | 1250                               | 8×20          | 0.0319                                    | 1500                               |
|                       |               |   |                                    |               |   |                                    |               |   |                                    | 10×9          | 0.0980                                    | 950                                |
| 470                   | 8×9           | 0.15                                      | 550                                | 8×11.5        | 0.0680                                    | 945                                | 10×12.5       | 0.0900                                    | 1330                               | 10×16         | 0.0400                                    | 1850                               |
|                       |               |   |                                    |               |   |                                    |               |   |                                    | 10×9          | 0.0980                                    | 950                                |
| 560                   | 8×11.5        | 0.0980                                    | 945                                | 8×16          | 0.0900                                    | 1250                               | 8×20          | 0.0319                                    | 1500                               | 10×20         | 0.0280                                    | 1960                               |
|                       | 10×9          | 0.0980                                    | 950                                | 10×9          | 0.0980                                    | 950                                | 10×14         | 0.0400                                    | 1760                               | 12.5×16       | 0.0420                                    | 2120                               |
| 680                   | 8×11.5        | 0.0980                                    | 945                                | 8×16          | 0.0900                                    | 1250                               | 10×16         | 0.0400                                    | 1850                               | 10×23         | 0.0198                                    | 2250                               |
|                       | 10×9          | 0.0980                                    | 950                                | 10×12.5       | 0.0900                                    | 1330                               |               |   |                                    | 12.5×20       | 0.0280                                    | 2480                               |
| 820                   | 8×16          | 0.0900                                    | 1250                               | 8×20          | 0.0319                                    | 1500                               | 10×20         | 0.0220                                    | 1960                               | 12.5×20       | 0.0280                                    | 2480                               |
|                       | 10×12.5       | 0.0900                                    | 1330                               | 10×14         | 0.0400                                    | 1760                               | 12.5×16       | 0.0320                                    | 2120                               |               |   |                                    |
| 1000                  | 8×16          | 0.0900                                    | 1250                               | 8×20          | 0.0319                                    | 1500                               | 10×20         | 0.0220                                    | 1960                               | 12.5×20       | 0.0280                                    | 2480                               |
|                       | 10×12.5       | 0.0900                                    | 1330                               | 10×16         | 0.0400                                    | 1850                               | 12.5×16       | 0.0320                                    | 2120                               |               |   |                                    |
| 1200                  | 8×20          | 0.0319                                    | 1500                               | 10×16         | 0.0400                                    | 1850                               | 12.5×20       | 0.0280                                    | 2480                               | 12.5×25       | 0.0280                                    | 2900                               |
|                       | 10×14         | 0.0400                                    | 1760                               |               |   |                                    |               |   |                                    |               |   |                                    |
| 1500                  | 8×20          | 0.0319                                    | 1500                               | 10×20         | 0.0220                                    | 1960                               | 12.5×20       | 0.0280                                    | 2480                               | 12.5×30       | 0.0143                                    | 3450                               |
|                       | 10×16         | 0.0400                                    | 1850                               | 12.5×16       | 0.0420                                    | 2120                               |               |   |                                    | 16×20         | 0.0230                                    | 3250                               |
| 1800                  | 10×20         | 0.0308                                    | 1960                               | 10×20         | 0.0220                                    | 1960                               | 12.5×25       | 0.0230                                    | 2900                               | 12.5×35       | 0.0132                                    | 3570                               |
|                       | 12.5×16       | 0.0420                                    | 2120                               | 12.5×16       | 0.0420                                    | 2120                               |               |   |                                    | 16×25         | 0.0165                                    | 3630                               |
| 2200                  | 10×20         | 0.0308                                    | 1960                               | 12.5×20       | 0.0280                                    | 2480                               | 12.5×25       | 0.0230                                    | 2900                               | 16×25         | 0.0143                                    | 3630                               |
|                       | 12.5×16       | 0.0420                                    | 2120                               |               |   |                                    | 16×20         | 0.0230                                    | 3250                               |               |   |                                    |
| 2700                  | 10×23         | 0.0280                                    | 2250                               | 12.5×20       | 0.0280                                    | 2480                               | 12.5×35       | 0.0132                                    | 3570                               | 16×35.5       | 0.0110                                    | 4010                               |
|                       | 12.5×20       | 0.0280                                    | 2480                               |               |   |                                    | 16×25         | 0.0143                                    | 3630                               | 18×31.5       | 0.0110                                    | 4010                               |
| 3300                  | 12.5×20       | 0.0280                                    | 2480                               | 12.5×25       | 0.0280                                    | 2900                               | 12.5×40       | 0.0121                                    | 3890                               | 16×40         | 0.0100                                    | 4080                               |
|                       |               |   |                                    |               |   |                                    | 16×25         | 0.0143                                    | 3630                               | 18×35.5       | 0.0100                                    | 4080                               |
| 3900                  | 12.5×25       | 0.0280                                    | 2900                               | 12.5×30       | 0.0143                                    | 3450                               | 16×31.5       | 0.0121                                    | 3890                               | 18×35.5       | 0.0100                                    | 4080                               |
|                       |               |   |                                    | 16×20         | 0.0230                                    | 3250                               | 18×25         | 0.0132                                    | 3650                               |               |   |                                    |
| 4700                  | 12.5×30       | 0.0143                                    | 3450                               | 12.5×30       | 0.0143                                    | 3450                               | 16×31.5       | 0.0121                                    | 3890                               |               |   |                                    |
|                       | 16×20         | 0.0230                                    | 3250                               | 16×25         | 0.0143                                    | 3630                               | 18×25         | 0.0110                                    | 4010                               |               |   |                                    |

#### LKF标准品一览表:

| 电压(V)            |               | 50                           |      |                                     | 63     |               |                              | 80     |                                     |         | 100           |                              |         | 120                                 |      |               | 160                          |      |                                     |    |      |
|------------------|---------------|------------------------------|------|-------------------------------------|--------|---------------|------------------------------|--------|-------------------------------------|---------|---------------|------------------------------|---------|-------------------------------------|------|---------------|------------------------------|------|-------------------------------------|----|------|
| 项目<br>容量<br>(μF) | 尺寸<br>D×L(mm) | 阻抗<br>(Ωmax/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>(Ωmax/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>(Ωmax/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>(Ωmax/100kHz<br>25±2℃) |      | 纹波电流<br>(mA r.m.s./<br>105℃/100kHz) |    |      |
|                  |               | 0.47                         | 5×9  | 5.50                                | 21     |               | 5×9                          | 5.00   | 23                                  | 5×9     |               | 6.05                         | 24      | 5×9                                 | 6.05 |               | 24                           | 5×9  | 6.05                                | 24 | 5×11 |
| 1.0              | 5×9           | 5.50                         | 31   | 5×9                                 | 5.00   | 35            | 5×9                          | 6.05   | 37                                  | 5×9     | 6.05          | 37                           | 5×9     | 6.05                                | 37   | 5×11          | 28.00                        | 68   |                                     |    |      |
| 1.2              |               |                              |      | 5×9                                 | 5.00   | 35            | 5×9                          | 6.05   | 37                                  | 5×9     | 6.05          | 37                           | 5×9     | 6.05                                | 37   | 5×11          | 28.00                        | 68   |                                     |    |      |
| 1.5              |               |                              |      | 5×9                                 | 5.00   | 41            | 5×9                          | 6.05   | 43                                  | 5×9     | 6.05          | 43                           | 5×9     | 6.05                                | 43   | 5×11          | 28.00                        | 95   |                                     |    |      |
| 1.8              | 5×9           | 5.50                         | 32   | 5×9                                 | 5.00   | 41            | 5×9                          | 6.05   | 43                                  | 5×9     | 6.05          | 43                           | 5×9     | 6.05                                | 43   | 5×11          | 28.00                        | 95   |                                     |    |      |
| 2.2              | 5×9           | 1.50                         | 39   | 5×9                                 | 1.50   | 45            | 5×9                          | 1.50   | 47                                  | 5×9     | 1.60          | 47                           | 5×9     | 1.60                                | 47   | 5×11          | 28.00                        | 95   |                                     |    |      |
| 2.7              |               |                              |      | 5×9                                 | 1.50   | 52            | 5×9                          | 1.50   | 55                                  | 5×9     | 1.60          | 55                           | 5×9     | 1.60                                | 55   | 5×11          | 28.00                        | 95   |                                     |    |      |
| 3.3              | 5×9           | 1.50                         | 54   | 5×9                                 | 1.50   | 59            | 5×9                          | 1.50   | 62                                  | 5×9     | 1.60          | 62                           | 5×9     | 1.60                                | 62   | 5×11          | 28.00                        | 95   |                                     |    |      |
| 3.9              | 5×9           | 1.50                         | 54   | 5×9                                 | 1.50   | 78            | 5×9                          | 1.50   | 81                                  | 5×9     | 1.60          | 81                           | 5×9     | 1.60                                | 81   | 5×11          | 28.00                        | 95   |                                     |    |      |
| 4.7              | 5×9           | 1.50                         | 89   | 5×9                                 | 1.50   | 98            | 5×9                          | 1.50   | 101                                 | 5×9     | 1.60          | 101                          | 5×9     | 1.60                                | 101  | 6.3×9         | 23.00                        | 104  |                                     |    |      |
| 5.6              | 5×9           | 1.50                         | 91   | 5×9                                 | 1.50   | 100           | 5×9                          | 1.50   | 106                                 | 5×11    | 1.40          | 106                          | 5×11    | 1.40                                | 106  | 6.3×9         | 23.00                        | 110  |                                     |    |      |
| 6.8              | 5×9           | 1.50                         | 94   | 5×9                                 | 1.50   | 103           | 5×9                          | 1.50   | 111                                 | 5×11    | 1.40          | 111                          | 5×11    | 1.40                                | 111  | 6.3×11        | 15.00                        | 125  |                                     |    |      |
|                  |               |                              |      |                                     |        |               |                              |        |                                     |         |               |                              |         |                                     |      | 8×9           | 15.00                        | 140  |                                     |    |      |
| 8.2              | 5×9           | 1.50                         | 98   | 5×9                                 | 1.50   | 109           | 5×9                          | 1.50   | 121                                 | 5×11    | 1.40          | 121                          | 6.3×9   | 1.40                                | 127  | 8×9           | 15.00                        | 140  |                                     |    |      |
| 10               | 5×9           | 1.50                         | 101  | 5×9                                 | 1.50   | 111           | 5×11                         | 1.40   | 163                                 | 6.3×9   | 0.80          | 240                          | 6.3×9   | 1.10                                | 220  | 8×9           | 15.00                        | 140  |                                     |    |      |
| 12               |               |                              |      | 5×9                                 | 1.50   | 121           | 5×11                         | 1.40   | 163                                 | 6.3×11  | 0.63          | 267                          | 6.3×11  | 0.80                                | 220  | 8×11.5        | 12.50                        | 150  |                                     |    |      |
|                  |               |                              |      |                                     |        |               |                              |        |                                     | 8×9     | 0.63          | 290                          |         |                                     |      | 10×9          | 12.50                        | 160  |                                     |    |      |
| 15               | 5×9           | 1.50                         | 121  | 5×9                                 | 1.50   | 150           | 6.3×9                        | 0.80   | 240                                 | 6.3×11  | 0.63          | 267                          | 6.3×11  | 0.80                                | 267  | 8×11.5        | 12.50                        | 150  |                                     |    |      |
|                  |               |                              |      |                                     |        |               |                              |        |                                     | 8×9     | 0.63          | 290                          | 8×9     | 0.80                                | 267  | 10×9          | 12.50                        | 160  |                                     |    |      |
| 18               |               |                              |      | 5×11                                | 1.10   | 173           | 6.3×9                        | 0.80   | 267                                 | 6.3×11  | 0.63          | 267                          | 8×11.5  | 0.63                                | 290  | 8×14          | 7.90                         | 160  |                                     |    |      |
|                  |               |                              |      |                                     |        |               |                              |        |                                     | 8×9     | 0.63          | 290                          |         |                                     |      | 10×9          | 12.50                        | 160  |                                     |    |      |
| 22               | 5×11          | 0.97                         | 238  | 6.3×9                               | 0.58   | 250           | 6.3×11                       | 0.63   | 267                                 | 8×11.5  | 0.40          | 450                          | 8×11.5  | 0.63                                | 290  | 8×14          | 7.90                         | 160  |                                     |    |      |
|                  |               |                              |      |                                     |        |               |                              |        |                                     | 8×9     | 0.63          | 290                          | 10×9    | 0.63                                | 470  |               | 10×12.5                      | 7.90 | 250                                 |    |      |
| 27               |               |                              |      | 6.3×9                               | 0.58   | 278           | 6.3×11                       | 0.63   | 267                                 | 8×11.5  | 0.40          | 450                          | 8×14    | 0.49                                | 420  | 8×16          | 7.90                         | 270  |                                     |    |      |
|                  |               |                              |      |                                     |        |               |                              |        |                                     | 8×9     | 0.63          | 290                          | 10×9    | 0.49                                | 420  | 10×12.5       | 7.90                         | 250  |                                     |    |      |
| 33               | 6.3×9         | 0.36                         | 344  | 6.3×11                              | 0.39   | 344           | 6.3×11                       | 0.63   | 267                                 | 8×11.5  | 0.40          | 450                          | 8×14    | 0.49                                | 450  | 8×20          | 5.90                         | 350  |                                     |    |      |
|                  |               |                              |      | 8×9                                 | 0.24   | 390           | 8×9                          | 0.63   | 290                                 | 10×9    | 0.63          | 470                          | 10×9    | 0.49                                | 450  | 10×14         | 5.90                         | 360  |                                     |    |      |
| 39               | 6.3×9         | 0.36                         | 344  | 6.3×11                              | 0.39   | 344           | 8×11.5                       | 0.40   | 450                                 | 8×16    | 0.28          | 565                          | 8×16    | 0.38                                | 565  | 10×16         | 5.55                         | 580  |                                     |    |      |
|                  |               |                              |      | 8×9                                 | 0.24   | 390           | 10×9                         | 0.63   | 470                                 | 10×12.5 | 0.28          | 624                          | 10×12.5 | 0.38                                | 565  | 12.5×14       | 5.55                         | 745  |                                     |    |      |
| 47               | 6.3×11        | 0.34                         | 385  | 6.3×11                              | 0.39   | 385           | 8×11.5                       | 0.40   | 450                                 | 8×16    | 0.28          | 585                          | 8×20    | 0.28                                | 585  | 10×20         | 5.55                         | 635  |                                     |    |      |
|                  | 8×9           | 0.23                         | 390  | 8×9                                 | 0.24   | 525           | 10×9                         | 0.63   | 470                                 | 10×12.5 | 0.25          | 624                          | 10×14   | 0.28                                | 624  | 12.5×14       | 5.55                         | 745  |                                     |    |      |
| 56               | 6.3×11        | 0.34                         | 385  | 8×9                                 | 0.24   | 525           | 8×11.5                       | 0.40   | 450                                 | 10×12.5 | 0.25          | 624                          | 8×23    | 0.25                                | 624  | 10×20         | 5.55                         | 850  |                                     |    |      |
|                  | 8×9           | 0.23                         | 390  |                                     |        |               | 10×9                         | 0.63   | 470                                 |         |               |                              | 10×16   | 0.25                                | 624  | 12.5×16       | 5.55                         | 850  |                                     |    |      |
| 68               | 8×9           | 0.23                         | 390  | 8×11.5                              | 0.24   | 724           | 8×16                         | 0.28   | 565                                 | 8×20    | 0.21          | 735                          | 10×16   | 0.21                                | 735  | 12.5×16       | 5.55                         | 850  |                                     |    |      |
|                  |               |                              |      | 10×9                                | 0.26   | 750           | 10×12.5                      | 0.25   | 624                                 | 10×14   | 0.21          | 750                          | 12.5×14 | 0.21                                | 750  |               |                              |      |                                     |    |      |
| 82               | 8×11.5        | 0.15                         | 724  | 8×11.5                              | 0.24   | 724           | 8×20                         | 0.21   | 735                                 | 10×16   | 0.19          | 780                          | 10×20   | 0.19                                | 780  | 12.5×20       | 4.36                         | 1155 |                                     |    |      |
|                  | 10×9          | 0.18                         | 750  | 10×9                                | 0.26   | 756           | 10×12.5                      | 0.25   | 624                                 | 12.5×14 | 0.18          | 900                          | 12.5×16 | 0.19                                | 900  |               |                              |      |                                     |    |      |
| 100              | 8×11.5        | 0.15                         | 724  | 8×16                                | 0.18   | 950           | 8×20                         | 0.21   | 735                                 | 10×20   | 0.13          | 1040                         | 10×23   | 0.14                                | 1040 | 12.5×20       | 4.36                         | 1155 |                                     |    |      |
|                  | 10×9          | 0.18                         | 750  | 10×12.5                             | 0.19   | 979           | 10×16                        | 0.19   | 780                                 | 12.5×16 | 0.14          | 1040                         | 12.5×16 | 0.14                                | 1040 |               |                              |      |                                     |    |      |
| 120              | 8×14          | 0.11                         | 880  | 8×16                                | 0.18   | 950           | 10×16                        | 0.19   | 780                                 | 10×23   | 0.12          | 1170                         | 12.5×20 | 0.12                                | 1240 | 12.5×25       | 3.01                         | 1390 |                                     |    |      |
|                  | 10×12.5       | 0.11                         | 880  | 10×12.5                             | 0.19   | 979           | 12.5×14                      | 0.18   | 900                                 | 12.5×20 | 0.0930        | 1430                         |         |                                     |      | 16×20         | 3.01                         | 1420 |                                     |    |      |
| 150              | 8×16          | 0.11                         | 950  | 8×20                                | 0.13   | 950           | 10×20                        | 0.13   | 1040                                | 12.5×20 | 0.0930        | 1430                         | 12.5×25 | 0.0930                              | 1368 | 12.5×30       | 3.01                         | 1520 |                                     |    |      |
|                  | 10×12.5       | 0.11                         | 975  | 10×16                               | 0.19   | 1190          | 12.5×16                      | 0.14   | 1040                                |         |               |                              | 16×20   | 0.0930                              | 1368 | 16×25         | 2.31                         | 1850 |                                     |    |      |
| 180              | 8×20          | 0.0510                       | 1190 | 10×16                               | 0.19   | 1190          | 10×20                        | 0.13   | 1040                                | 12.5×25 | 0.0660        | 1620                         | 12.5×30 | 0.0660                              | 1530 | 16×25         | 2.31                         | 1850 |                                     |    |      |
|                  | 10×14         | 0.11                         | 1230 |                                     |        |               | 12.5×16                      | 0.14   | 1040                                |         |               |                              |         |                                     |      |               |                              |      |                                     |    |      |
| 220              | 8×20          | 0.0510                       | 1190 | 10×20                               | 0.0860 | 1300          | 12.5×20                      | 0.13   | 1248                                | 12.5×25 | 0.0660        | 1620                         | 16×25   | 0.0660                              | 1620 | 16×31.5       | 1.88                         | 2400 |                                     |    |      |
|                  | 10×16         | 0.0510                       | 1370 | 12.5×16                             | 0.0902 | 1500          |                              |        |                                     |         |               |                              | 18×20   | 0.0660                              | 1620 | 18×25         | 1.88                         | 2320 |                                     |    |      |
| 270              | 10×20         | 0.0450                       | 1580 | 10×20                               | 0.0860 | 1300          | 12.5×20                      | 0.0940 | 1430                                | 12.5×30 | 0.0560        | 1950                         | 16×25   | 0.0560                              | 1750 | 16×35.5       | 1.80                         | 2715 |                                     |    |      |
|                  | 12.5×14       | 0.0550                       | 1450 | 12.5×16                             | 0.0902 | 1500          |                              |        |                                     | 16×20   | 0.0640        | 1750                         | 18×20   | 0.0640                              | 1750 | 18×31.5       | 0.98                         | 2660 |                                     |    |      |
| 330              | 10×20         | 0.0450                       | 1580 | 10×23                               | 0.0760 | 1700          | 12.5×20                      | 0.0940 | 1430                                | 12.5×35 | 0.0470        | 2140                         | 16×31.5 | 0.0470                              | 2140 | 18×31.5       | 0.98                         | 2660 |                                     |    |      |
|                  | 12.5×16       | 0.0550                       | 1650 | 12.5×20                             | 0.0660 | 1870          |                              |        |                                     | 16×25   | 0.0480        | 2210                         | 18×25   | 0.0480                              | 2210 | 18×25         |                              |      |                                     |    |      |
| 390              | 10×20         | 0.0450                       | 1580 | 12.5×20                             | 0.0660 | 1870          | 12.5×30                      | 0.0560 | 1950                                | 12.5×40 | 0.0400        | 2340                         | 16×35.5 | 0.0400                              | 2210 | 18×35.5       | 0.91                         | 2715 |                                     |    |      |
|                  |               |                              |      |                                     |        |               | 16×20                        | 0.0640 | 1750                                | 16×25   | 0.0480        | 2210                         | 18×31.5 | 0.0400                              | 2210 |               |                              |      |                                     |    |      |
| 470              | 12.5×20       | 0.0500                       | 2050 | 12.5×25                             | 0.0470 | 2100          | 12.5×35                      | 0.0470 | 2140                                | 16×31.5 | 0.0360        | 2400                         | 18×31.5 | 0.0400                              | 2270 |               |                              |      |                                     |    |      |
|                  |               |                              |      |                                     |        |               | 16×25                        | 0.0480 | 2210                                | 18×25   | 0.0420        | 2270                         |         |                                     |      |               |                              |      |                                     |    |      |
| 560              | 12.5×20       | 0.0500                       | 2050 | 12.5×30                             | 0.0385 | 2410          | 12.5×40                      | 0.0400 | 2340                                | 16×35.5 | 0.0320        | 2600                         | 18×35.5 | 0.0320                              | 2600 | 18×35.5       | 0.0320                       | 2600 |                                     |    |      |
|                  |               |                              |      | 16×20                               | 0.0473 | 2500          | 16×25                        | 0.0480 | 2210                                | 18×31.5 | 0.0340        | 2860                         |         |                                     |      |               |                              |      |                                     |    |      |
| 680              | 12.5×25       | 0.0450                       | 2410 | 12.5×30                             | 0.0385 | 2410          | 16×31.5                      | 0.0360 | 2400                                | 16×40   | 0.0300        | 2860                         | 16×40   | 0.0300                              | 2860 | 18×40         | 0.0300                       | 2860 |                                     |    |      |
|                  |               |                              |      | 16×25                               | 0.0350 | 2730          | 18×25                        | 0.0420 | 2270                                | 18×35.5 | 0.0300        | 2860                         | 18×40   | 0.0290                              | 3510 |               |                              |      |                                     |    |      |
| 820              | 12.5×25       | 0.0253                       | 2410 | 12.5×35                             | 0.0360 | 2620          | 16×35.5                      | 0.0320 | 2600                                | 18×40   | 0.0290        | 3510                         |         |                                     |      |               |                              |      |                                     |    |      |
|                  | 16×20         | 0.0250                       | 2730 | 16×25                               | 0.0350 | 2730          | 18×25                        | 0.0420 | 2270                                |         |               |                              |         |                                     |      |               |                              |      |                                     |    |      |
| 1000             | 12.5×30       | 0.0231                       | 2860 | 16×31.5                             | 0.0260 | 2990          | 16×40                        | 0.0300 | 2860                                |         |               |                              |         |                                     |      |               |                              |      |                                     |    |      |
|                  | 16×25         | 0.0250                       | 3010 | 18×25                               | 0.0340 | 2800          | 18×31.5                      | 0.0340 | 2470                                |         |               |                              |         |                                     |      |               |                              |      |                                     |    |      |
| 1200             | 16×31.5       | 0.0260                       | 3280 | 16×31.5                             | 0.0260 | 2990          | 18×35.5                      | 0.0300 | 2860                                |         |               |                              |         |                                     |      |               |                              |      |                                     |    |      |
|                  | 18×25         | 0.0340                       | 3300 | 18×25                               | 0.0340 | 3300          |                              |        |                                     |         |               |                              |         |                                     |      |               |                              |      |                                     |    |      |
| 1500             | 16×31.5       | 0.0260                       | 3280 | 16×35.5                             | 0.0230 | 3280          | 18×40                        | 0.0290 | 3510                                |         |               |                              |         |                                     |      |               |                              |      |                                     |    |      |
|                  | 18×25         | 0.0340                       | 3300 | 18×31.5                             | 0.0280 | 3300          |                              |        |                                     |         |               |                              |         |                                     |      |               |                              |      |                                     |    |      |
| 1800             | 16×35.5       | 0.0230                       | 3300 | 16×40                               | 0.0210 | 3570          |                              |        |                                     |         |               |                              |         |                                     |      |               |                              |      |                                     |    |      |
|                  | 18×31.5       | 0.0280                       | 3300 | 18×35.5                             | 0.0220 | 3570          |                              |        |                                     |         |               |                              |         |                                     |      |               |                              |      |                                     |    |      |
| 2200             | 18×35.5       | 0.0220                       | 3570 | 18×40                               | 0.0200 | 3670          |                              |        |                                     |         |               |                              |         |                                     |      |               |                              |      |                                     |    |      |
| 2700             | 18×40         | 0.0200                       | 3670 |                                     |        |               |                              |        |                                     |         |               |                              |         |                                     |      |               |                              |      |                                     |    |      |

#### LKF标准品一览表:

| 电压(V) | 50               |                |                              | 63                                  |                |                              | 80                                  |                |                              | 100                                 |                |                              | 120                                 |                |                              | 160                                 |                |                              |                                     |       |     |
|-------|------------------|----------------|------------------------------|-------------------------------------|----------------|------------------------------|-------------------------------------|----------------|------------------------------|-------------------------------------|----------------|------------------------------|-------------------------------------|----------------|------------------------------|-------------------------------------|----------------|------------------------------|-------------------------------------|-------|-----|
|       | 项目<br>容量<br>(μF) | 尺寸<br>D×L (mm) | 阻抗<br>(Ωmax/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>(Ωmax/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>(Ωmax/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>(Ωmax/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>(Ωmax/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>(Ωmax/100kHz<br>25±2℃) | 纹波电流<br>(mA r.m.s./<br>105℃/100kHz) |       |     |
| 0.47  | 5×9              | 5.50           | 21                           | 5×9                                 | 5.00           | 23                           | 5×9                                 | 6.05           | 24                           | 5×9                                 | 6.05           | 24                           | 5×9                                 | 6.05           | 24                           |                                     |                |                              |                                     |       |     |
| 1.0   | 5×9              | 5.50           | 31                           | 5×9                                 | 5.00           | 35                           | 5×9                                 | 6.05           | 37                           | 5×9                                 | 6.05           | 37                           | 5×9                                 | 6.05           | 37                           | 5×11                                | 28.00          | 68                           |                                     |       |     |
| 1.2   |                  |                |                              | 5×9                                 | 5.00           | 35                           | 5×9                                 | 6.05           | 37                           | 5×9                                 | 6.05           | 37                           | 5×9                                 | 6.05           | 37                           | 5×11                                | 28.00          | 68                           |                                     |       |     |
| 1.5   |                  |                |                              | 5×9                                 | 5.00           | 41                           | 5×9                                 | 6.05           | 43                           | 5×9                                 | 6.05           | 43                           | 5×9                                 | 6.05           | 43                           | 5×11                                | 28.00          | 95                           |                                     |       |     |
| 1.8   | 5×9              | 5.50           | 32                           | 5×9                                 | 5.00           | 41                           | 5×9                                 | 6.05           | 43                           | 5×9                                 | 6.05           | 43                           | 5×9                                 | 6.05           | 43                           | 5×11                                | 28.00          | 95                           |                                     |       |     |
| 2.2   | 5×9              | 1.50           | 39                           | 5×9                                 | 1.50           | 45                           | 5×9                                 | 1.50           | 47                           | 5×9                                 | 1.60           | 47                           | 5×9                                 | 1.60           | 47                           | 5×11                                | 28.00          | 95                           |                                     |       |     |
| 2.7   |                  |                |                              | 5×9                                 | 1.50           | 52                           | 5×9                                 | 1.50           | 55                           | 5×9                                 | 1.60           | 55                           | 5×9                                 | 1.60           | 55                           | 5×11                                | 28.00          | 95                           |                                     |       |     |
| 3.3   | 5×9              | 1.50           | 54                           | 5×9                                 | 1.50           | 59                           | 5×9                                 | 1.50           | 62                           | 5×9                                 | 1.60           | 62                           | 5×9                                 | 1.60           | 62                           | 5×11                                | 28.00          | 95                           |                                     |       |     |
| 3.9   | 5×9              | 1.50           | 54                           | 5×9                                 | 1.50           | 78                           | 5×9                                 | 1.50           | 81                           | 5×9                                 | 1.60           | 81                           | 5×9                                 | 1.60           | 81                           | 5×11                                | 28.00          | 95                           |                                     |       |     |
| 4.7   | 5×9              | 1.50           | 89                           | 5×9                                 | 1.50           | 98                           | 5×9                                 | 1.50           | 101                          | 5×9                                 | 1.60           | 101                          | 5×9                                 | 1.60           | 101                          | 6.3×9                               | 23.00          | 104                          |                                     |       |     |
| 5.6   | 5×9              | 1.50           | 91                           | 5×9                                 | 1.50           | 100                          | 5×9                                 | 1.50           | 106                          | 5×11                                | 1.40           | 106                          | 5×11                                | 1.40           | 106                          | 6.3×9                               | 23.00          | 110                          |                                     |       |     |
| 6.8   |                  |                |                              | 5×9                                 | 1.50           | 94                           | 5×9                                 | 1.50           | 103                          | 5×9                                 | 1.50           | 111                          | 5×11                                | 1.40           | 111                          | 6.3×11                              | 15.00          | 125                          |                                     |       |     |
| 8.2   |                  |                |                              | 5×9                                 | 1.50           | 98                           | 5×9                                 | 1.50           | 109                          | 5×9                                 | 1.50           | 121                          | 5×11                                | 1.40           | 121                          | 6.3×9                               | 1.40           | 127                          | 8×9                                 | 15.00 | 140 |
| 10    |                  |                |                              | 5×9                                 | 1.50           | 101                          | 5×9                                 | 1.50           | 111                          | 5×11                                | 1.40           | 163                          | 6.3×9                               | 0.80           | 240                          | 6.3×9                               | 1.10           | 220                          | 8×9                                 | 15.00 | 140 |
| 12    |                  |                |                              | 5×9                                 | 1.50           | 121                          | 5×11                                | 1.40           | 163                          | 6.3×11                              | 0.63           | 267                          | 6.3×11                              | 0.80           | 220                          | 8×11.5                              | 12.50          | 150                          |                                     |       |     |
| 15    | 5×9              | 1.50           | 121                          | 5×9                                 | 1.50           | 150                          | 6.3×9                               | 0.80           | 240                          | 6.3×11                              | 0.63           | 290                          | 6.3×11                              | 0.80           | 267                          | 6.3×11                              | 0.80           | 267                          | 8×9                                 | 12.50 | 160 |
| 18    |                  |                |                              | 5×11                                | 1.10           | 173                          | 6.3×9                               | 0.80           | 267                          | 6.3×11                              | 0.63           | 267                          | 8×11.5                              | 0.63           | 290                          | 8×14                                | 7.90           | 160                          |                                     |       |     |
| 22    | 5×11             | 0.97           | 238                          | 6.3×9                               | 0.58           | 250                          | 6.3×11                              | 0.63           | 267                          | 8×11.5                              | 0.40           | 450                          | 8×11.5                              | 0.63           | 290                          | 8×14                                | 7.90           | 160                          |                                     |       |     |
| 27    |                  |                |                              | 6.3×9                               | 0.58           | 278                          | 6.3×11                              | 0.63           | 267                          | 8×11.5                              | 0.40           | 450                          | 8×14                                | 0.49           | 420                          | 8×16                                | 7.90           | 270                          |                                     |       |     |
| 33    | 6.3×9            | 0.36           | 344                          | 6.3×11                              | 0.39           | 344                          | 6.3×11                              | 0.63           | 267                          | 8×11.5                              | 0.40           | 450                          | 8×14                                | 0.49           | 450                          | 8×20                                | 5.55           | 360                          |                                     |       |     |
| 39    | 6.3×9            | 0.36           | 344                          | 6.3×11                              | 0.39           | 344                          | 8×9                                 | 0.63           | 290                          | 10×9                                | 0.63           | 470                          | 10×9                                | 0.49           | 450                          | 10×14                               | 5.90           | 360                          |                                     |       |     |
| 47    | 6.3×11           | 0.34           | 385                          | 6.3×11                              | 0.39           | 385                          | 8×9                                 | 0.63           | 290                          | 10×9                                | 0.63           | 470                          | 10×9                                | 0.49           | 450                          | 10×14                               | 5.90           | 360                          |                                     |       |     |
| 56    | 6.3×11           | 0.34           | 385                          | 8×9                                 | 0.24           | 525                          | 8×11.5                              | 0.40           | 450                          | 8×16                                | 0.28           | 565                          | 8×16                                | 0.38           | 565                          | 10×16                               | 5.55           | 580                          |                                     |       |     |
| 68    | 8×9              | 0.23           | 390                          | 10×9                                | 0.24           | 390                          | 10×9                                | 0.63           | 470                          | 10×12.5                             | 0.28           | 624                          | 10×12.5                             | 0.38           | 565                          | 12.5×14                             | 5.55           | 745                          |                                     |       |     |
| 82    | 8×9              | 0.23           | 390                          | 8×11.5                              | 0.24           | 724                          | 8×16                                | 0.28           | 565                          | 8×20                                | 0.21           | 735                          | 10×16                               | 0.21           | 735                          | 12.5×16                             | 5.55           | 850                          |                                     |       |     |
| 100   | 8×11.5           | 0.15           | 724                          | 8×11.5                              | 0.24           | 724                          | 8×20                                | 0.21           | 735                          | 10×16                               | 0.19           | 780                          | 10×20                               | 0.19           | 780                          | 12.5×14                             | 4.36           | 1155                         |                                     |       |     |
| 120   | 10×9             | 0.18           | 750                          | 10×9                                | 0.26           | 756                          | 10×12.5                             | 0.25           | 624                          | 12.5×14                             | 0.18           | 900                          | 12.5×16                             | 0.19           | 900                          | 12.5×16                             | 5.55           | 850                          |                                     |       |     |
| 150   | 8×16             | 0.11           | 950                          | 8×20                                | 0.13           | 950                          | 10×20                               | 0.13           | 1040                         | 12.5×20                             | 0.0930         | 1430                         | 12.5×25                             | 0.0930         | 1368                         | 12.5×30                             | 3.01           | 1390                         |                                     |       |     |
| 180   | 10×12.5          | 0.11           | 975                          | 10×16                               | 0.19           | 1190                         | 12.5×16                             | 0.14           | 1040                         | 16×20                               | 0.0930         | 1368                         | 16×25                               | 0.0930         | 1368                         | 16×25                               | 2.31           | 1850                         |                                     |       |     |
| 220   | 8×20             | 0.0510         | 1190                         | 10×16                               | 0.19           | 1190                         | 10×20                               | 0.13           | 1040                         | 12.5×25                             | 0.0660         | 1620                         | 12.5×30                             | 0.0660         | 1530                         | 16×25                               | 2.31           | 1850                         |                                     |       |     |
| 270   | 10×14            | 0.11           | 1230                         | 12.5×16                             | 0.14           | 1040                         | 12.5×16                             | 0.14           | 1040                         | 12.5×16                             | 0.14           | 1040                         | 12.5×16                             | 0.14           | 1040                         | 12.5×16                             | 0.14           | 1040                         |                                     |       |     |
| 330   | 8×20             | 0.0510         | 1190                         | 10×20                               | 0.0860         | 1300                         | 12.5×20                             | 0.13           | 1248                         | 12.5×25                             | 0.0660         | 1620                         | 16×25                               | 0.0660         | 1620                         | 16×31.5                             | 1.88           | 2400                         |                                     |       |     |
| 390   | 10×16            | 0.0510         | 1370                         | 12.5×16                             | 0.0902         | 1500                         | 12.5×16                             | 0.14           | 1040                         | 12.5×16                             | 0.14           | 1040                         | 12.5×16                             | 0.14           | 1040                         | 12.5×16                             | 0.14           | 1040                         |                                     |       |     |
| 470   | 10×20            | 0.0450         | 1580                         | 10×20                               | 0.0860         | 1300                         | 12.5×20                             | 0.0940         | 1430                         | 12.5×30                             | 0.0560         | 1950                         | 16×25                               | 0.0560         | 1750                         | 16×35.5                             | 1.80           | 2715                         |                                     |       |     |
| 560   | 12.5×14          | 0.0550         | 1450                         | 12.5×16                             | 0.0902         | 1500                         | 12.5×16                             | 0.14           | 1040                         | 12.5×16                             | 0.14           | 1040                         | 12.5×16                             | 0.14           | 1040                         | 12.5×16                             | 0.14           | 1040                         |                                     |       |     |
| 680   | 10×20            | 0.0450         | 1580                         | 10×23                               | 0.0760         | 1700                         | 12.5×20                             | 0.0940         | 1430                         | 12.5×35                             | 0.0470         | 2140                         | 16×31.5                             | 0.0470         | 2140                         | 18×31.5                             | 0.98           | 2660                         |                                     |       |     |
| 820   | 12.5×16          | 0.0550         | 1650                         | 12.5×20                             | 0.0660         | 1870                         | 12.5×20                             | 0.0940         | 1430                         | 12.5×35                             | 0.0470         | 2140                         | 16×31.5                             | 0.0470         | 2140                         | 18×31.5                             | 0.98           | 2660                         |                                     |       |     |
| 1000  | 10×20            | 0.0450         | 1580                         | 12.5×20                             | 0.0660         | 1870                         | 12.5×30                             | 0.0560         | 1950                         | 16×25                               | 0.0560         | 1750                         | 16×35.5                             | 0.0400         | 2210                         | 18×35.5                             | 0.91           | 2715                         |                                     |       |     |
| 1200  | 12.5×20          | 0.0500         | 2050                         | 12.5×25                             | 0.0470         | 2100                         | 12.5×35                             | 0.0470         | 2140                         | 16×31.5                             | 0.0360         | 2400                         | 18×31.5                             | 0.0400         | 2210                         | 18×35.5                             | 0.91           | 2715                         |                                     |       |     |
| 1500  | 12.5×25          | 0.0450         | 2410                         | 12.5×30                             | 0.0385         | 2410                         | 16×31.5                             | 0.0360         | 2400                         | 16×40                               | 0.0300         | 2860                         | 18×40                               | 0.0300         | 2860                         | 18×40                               | 0.0300         | 2860                         |                                     |       |     |
| 1800  | 16×20            | 0.0250         | 2730                         | 16×25                               | 0.0350         | 2730                         | 18×25                               | 0.0420         | 2270                         | 18×35.5                             | 0.0300         | 2860                         | 18×40                               | 0.0290         | 3510                         |                                     |                |                              |                                     |       |     |
| 2200  | 12.5×30          | 0.0231         | 2860                         | 16×31.5                             | 0.0260         | 2990                         | 16×40                               | 0.0300         | 2860                         | 16×40                               | 0.0300         | 2860                         | 16×40                               | 0.0300         | 2860                         |                                     |                |                              |                                     |       |     |
| 2700  | 16×31.5          | 0.0260         | 3280                         | 16×31.5                             | 0.0260         | 2990                         | 18×35.5                             | 0.0300         | 2860                         | 16×40                               | 0.0300         | 2860                         | 16×40                               | 0.0300         | 2860                         |                                     |                |                              |                                     |       |     |
|       | 18×25            | 0.0340         | 3300                         | 18×25                               | 0.0340         | 3300                         | 18×25                               | 0.0340         | 3300                         | 18×25                               | 0.0340         | 3300                         | 18×25                               | 0.0340         | 3300                         |                                     |                |                              |                                     |       |     |
|       | 16×31.5          | 0.0260         | 3280                         | 16×35.5                             | 0.0230         | 3280                         | 18×40                               | 0.0290         | 3510                         |                                     |                |                              |                                     |                |                              |                                     |                |                              |                                     |       |     |
|       | 18×25            | 0.0340         | 3300                         | 18×31.5                             | 0.0280         | 3300                         |                                     |                |                              |                                     |                |                              |                                     |                |                              |                                     |                |                              |                                     |       |     |
|       | 16×35.5          | 0.0230         | 3300                         | 16×40                               | 0.0210         | 3570                         |                                     |                |                              |                                     |                |                              |                                     |                |                              |                                     |                |                              |                                     |       |     |
|       | 18×31.5          | 0.0280         | 3300                         | 18×35.5                             | 0.0220         | 3570                         |                                     |                |                              |                                     |                |                              |                                     |                |                              |                                     |                |                              |                                     |       |     |
|       | 18×35.5          | 0.0220         | 3570                         | 18×40                               | 0.0200         | 3670                         |                                     |                |                              |                                     |                |                              |                                     |                |                              |                                     |                |                              |                                     |       |     |
|       | 18×40            | 0.0200         | 3670                         |                                     |                |                              |                                     |                |                              |                                     |                |                              |                                     |                |                              |                                     |                |                              |                                     |       |     |

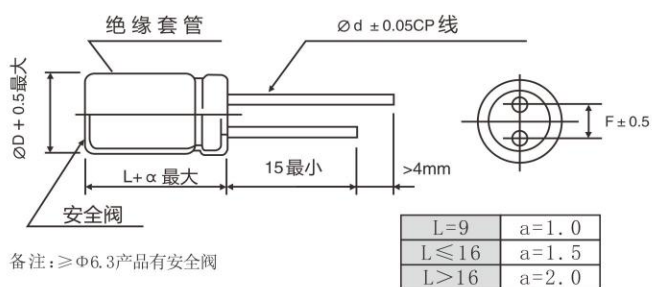
#### LKF标准品一览表:

| 电压(V) | 200              |                |                              | 250                                |                |                              | 350                                |                |                              | 400                                |                |                              |
|-------|------------------|----------------|------------------------------|------------------------------------|----------------|------------------------------|------------------------------------|----------------|------------------------------|------------------------------------|----------------|------------------------------|
|       | 项目<br>容量<br>(μF) | 尺寸<br>D×L (mm) | 阻抗<br>(Ωmax/100kHz<br>25±2℃) | 纹波电流<br>(mA r.m.s./105℃<br>100kHz) | 尺寸<br>D×L (mm) | 阻抗<br>(Ωmax/100kHz<br>25±2℃) | 纹波电流<br>(mA r.m.s./105℃<br>100kHz) | 尺寸<br>D×L (mm) | 阻抗<br>(Ωmax/100kHz<br>25±2℃) | 纹波电流<br>(mA r.m.s./105℃<br>100kHz) | 尺寸<br>D×L (mm) | 阻抗<br>(Ωmax/100kHz<br>25±2℃) |
| 1.0   | 5×11             | 28.00          | 50                           | 6.3×9                              | 28.00          | 59                           | 6.3×9                              | 55.00          | 77                           | 6.3×9                              | 55.00          | 77                           |
| 1.2   | 5×11             | 28.00          | 55                           | 6.3×9                              | 28.00          | 59                           | 6.3×9                              | 36.00          | 95                           | 6.3×9                              | 36.00          | 81                           |
| 1.5   | 5×11             | 28.00          | 60                           | 6.3×9                              | 28.00          | 59                           | 6.3×9                              | 36.00          | 95                           | 6.3×9                              | 36.00          | 81                           |
| 1.8   | 5×11             | 28.00          | 65                           | 6.3×9                              | 28.00          | 68                           | 6.3×9                              | 36.00          | 104                          | 6.3×9                              | 36.00          | 95                           |
| 2.2   | 5×11             | 28.00          | 75                           | 6.3×9                              | 28.00          | 104                          | 6.3×9                              | 36.00          | 125                          | 6.3×9                              | 29.00          | 105                          |
| 2.7   | 5×11             | 28.00          | 80                           | 6.3×9                              | 28.00          | 113                          | 6.3×11                             | 18.00          | 125                          | 8×9                                | 25.00          | 131                          |
| 3.3   | 6.3×9            | 28.00          | 104                          | 6.3×9                              | 28.00          | 113                          | 8×9                                | 18.00          | 131                          | 8×9                                | 18.00          | 131                          |
| 3.9   | 6.3×9            | 28.00          | 104                          | 6.3×11                             | 14.90          | 135                          | 8×9                                | 17.00          | 131                          | 8×11.5                             | 25.00          | 140                          |
| 4.7   | 6.3×11           | 14.90          | 125                          | 6.3×11                             | 14.90          | 135                          | 8×9                                | 14.90          | 140                          | 10×9                               | 23.50          | 150                          |
| 5.6   | 6.3×11           | 14.90          | 125                          | 6.3×11                             | 14.90          | 135                          | 8×11.5                             | 17.00          | 140                          | 8×11.5                             | 23.5           | 140                          |
| 6.8   | 8×9              | 14.90          | 140                          | 8×9                                | 14.90          | 140                          | 10×9                               | 17.00          | 150                          | 10×9                               | 23.50          | 150                          |
| 8.2   | 8×9              | 14.90          | 140                          | 8×9                                | 14.90          | 140                          | 10×9                               | 17.00          | 150                          | 10×9                               | 23.50          | 150                          |
| 10    | 8×11.5           | 12.50          | 160                          | 8×11.5                             | 12.50          | 170                          | 10×9                               | 17.00          | 150                          | 10×9                               | 23.50          | 150                          |
| 12    | 10×9             | 12.50          | 170                          | 10×9                               | 12.50          | 170                          | 10×14                              | 11.00          | 270                          | 10×14                              | 11.00          | 270                          |
| 15    | 8×16             | 3.85           | 270                          | 8×16                               | 3.85           | 270                          | 10×16                              | 8.00           | 360                          | 10×16                              | 8.00           | 360                          |
| 18    | 10×12.5          | 4.9            | 280                          | 10×12.5                            | 4.90           | 280                          | 12.5×14                            | 6.50           | 585                          | 12.5×16                            | 6.50           | 360                          |
| 22    | 8×20             | 3.58           | 350                          | 8×20                               | 3.58           | 280                          | 10×20                              | 6.50           | 480                          | 12.5×16                            | 6.50           | 360                          |
| 27    | 10×14            | 3.58           | 320                          | 10×14                              | 3.58           | 320                          | 12.5×14                            | 6.50           | 585                          |                                    |                |                              |
| 33    | 8×20             | 3.58           | 350                          |                                    |                |                              |                                    |                |                              |                                    |                |                              |

#### LKF标准品一览表:

| 电压(V) | 450    |               |                                       | 500                             |               |                                       |                                 |
|-------|--------|---------------|---------------------------------------|---------------------------------|---------------|---------------------------------------|---------------------------------|
|       | 项目     | 尺寸<br>D×L(mm) | 阻抗<br>( $\Omega_{max}/100kHz$ 25±2°C) | 纹波电流<br>(mA r.m.s./105°C100kHz) | 尺寸<br>D×L(mm) | 阻抗<br>( $\Omega_{max}/100kHz$ 25±2°C) | 纹波电流<br>(mA r.m.s./105°C100kHz) |
| 1.0   | 容量(μF) | 6.3×9         | 55.00                                 | 77                              | 6.3×12        | 52.00                                 | 45                              |
| 1.2   |        | 6.3×9         | 52.00                                 | 81                              | 6.3×12        | 52.00                                 | 45                              |
| 1.5   |        | 6.3×9         | 52.00                                 | 90                              | 6.3×12        | 52.00                                 | 45                              |
| 1.8   |        | 6.3×11        | 52.00                                 | 95                              | 8×11.5        | 45.00                                 | 80                              |
|       |        | 8×9           | 42.00                                 | 100                             |               |                                       |                                 |
| 2.2   |        | 8×9           | 42.00                                 | 100                             | 8×11.5        | 45.00                                 | 80                              |
| 2.7   |        | 8×9           | 42.00                                 | 100                             | 8×14          | 18.50                                 | 85                              |
| 3.3   |        | 8×11.5        | 25.00                                 | 130                             | 8×14          | 18.50                                 | 85                              |
|       |        | 10×9          | 23.50                                 | 135                             |               |                                       |                                 |
| 3.9   |        | 8×11.5        | 25.00                                 | 130                             | 8×16          | 13.00                                 | 102                             |
|       |        | 10×9          | 23.50                                 | 135                             |               |                                       |                                 |
| 4.7   |        | 8×14          | 18.50                                 | 135                             | 8×20          | 13.00                                 | 130                             |
|       |        | 10×9          | 18.50                                 | 135                             |               |                                       |                                 |
| 5.6   |        | 8×16          | 15.00                                 | 140                             | 10×16         | 13.00                                 | 130                             |
|       |        | 10×12.5       | 13.50                                 | 140                             |               |                                       |                                 |
| 6.8   |        | 8×20          | 8.05                                  | 220                             | 10×16         | 13.00                                 | 130                             |
|       |        | 10×14         | 12.00                                 | 200                             |               |                                       |                                 |
| 8.2   |        | 8×20          | 8.05                                  | 220                             | 10×20         | 11.00                                 | 240                             |
|       |        | 10×14         | 12.00                                 | 200                             |               |                                       |                                 |
| 10    |        | 10×16         | 8.05                                  | 260                             | 10×20         | 11.00                                 | 240                             |
|       |        | 12.5×14       | 7.70                                  | 350                             |               |                                       |                                 |
| 12    |        | 10×20         | 7.70                                  | 370                             | 12.5×16       | 9.00                                  | 265                             |
|       |        | 10×20         | 7.70                                  | 370                             |               |                                       |                                 |
| 15    |        | 12.5×16       | 7.70                                  | 370                             | 12.5×20       | 8.00                                  | 270                             |
|       |        | 12.5×20       | 6.70                                  | 450                             |               |                                       |                                 |
| 22    |        | 12.5×20       | 6.70                                  | 450                             | 12.5×25       | 7.00                                  | 470                             |
|       |        | 12.5×30       | 3.05                                  | 755                             |               |                                       |                                 |
| 33    |        | 16×20         | 3.05                                  | 740                             | 16×25         | 3.50                                  | 650                             |
|       |        | 16×20         | 3.05                                  | 740                             |               |                                       |                                 |
| 47    |        | 12.5×35       | 1.60                                  | 1215                            | 16×31.5       | 2.50                                  | 720                             |
|       |        | 16×25         | 1.60                                  | 1215                            |               |                                       |                                 |
| 56    |        | 16×31.5       | 1.60                                  | 1215                            | 16×35.5       | 2.30                                  | 840                             |
|       |        | 18×25         | 1.60                                  | 1300                            |               |                                       |                                 |
| 68    |        | 16×31.5       | 1.60                                  | 1215                            | 18×31.5       | 2.30                                  | 840                             |
|       |        | 16×40         | 1.35                                  | 1675                            |               |                                       |                                 |
| 82    |        | 18×31.5       | 1.45                                  | 1700                            | 18×35.5       | 1.80                                  | 1100                            |
|       |        | 18×35.5       | 1.35                                  | 1800                            |               |                                       |                                 |
| 120   |        | 18×40         | 1.25                                  | 1930                            | 18×45         | 1.40                                  | 1600                            |
| 150   |        | 18×45         | 1.15                                  | 2350                            |               |                                       |                                 |

#### 产品尺寸表:



#### 纹波电流补偿系数:

(1) 频率修正系数

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

(2) 温度修正系数

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

| 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 |

#### LKG系列

电源专用长寿命产品

特长: 105°C环境下 8000~12000小时  
 长寿命、耐高频大纹波电流、高频低阻抗  
 ROHS指令对应品



#### 主要技术参数:

| 项目   | 特性  |                     |         |      |      |      |      |      |      |
|--|---|---------------------|---------|------|------|------|------|------|------|
| 使用温度范围                                     | $\leq 120V.DC$ -55°C~+105°C; 160~500V.DC -40°C~+105°C                         |                     |         |      |      |      |      |      |      |
| 标称电压范围                                     | 10~500V.DC  |                     |         |      |      |      |      |      |      |
| 容量允许偏差                                     | $\pm 20\%$ (25±2°C 120Hz)   |                     |         |      |      |      |      |      |      |
| 漏电流(μA)                                    | 10WV~120WV $I \leq 0.01CV$ or $3\mu A$ 取大者 C:标称容量(μF) V:额定电压(V) 2分钟读数         |                     |         |      |      |      |      |      |      |
|  | 160WV~500WV $I \leq 0.02CV+10$ (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°C 120Hz)                   | 额定电压(V)   | 10                  | 16      | 25   | 35   | 50   | 63   | 80   | 100  |
|  | tgδ   | 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  |
|  | tgδ   | 0.09                | 0.09    | 0.08 | 0.08 | 0.10 | 0.10 | 0.12 | 0.20 |
| 标称容量超过1000 μF者, 则每增加1000 μF, 损耗角正切值增加0.02。 |   |                     |         |      |      |      |      |      |      |
| 温度特性<br>(120Hz)                            | 额定电压(V)   | 10                  | 16      | 25   | 35   | 50   | 63   | 80   | 100  |
|  | 阻抗比 $Z(-40°C)/Z(20°C)$  | 6                   | 4       | 3    | 3    | 3    | 3    | 3    | 3    |
|  | 额定电压(V)   | 120                 | 160     | 200  | 250  | 350  | 400  | 450  | 500  |
|  | 阻抗比 $Z(-40°C)/Z(20°C)$  | 5                   | 5       | 5    | 5    | 7    | 7    | 7    | 8    |
| 耐久性  | 在105°C烘箱中, 施加含额定纹波电流的额定电压, 持续规定时间后, 置于常温16小时后测试, 测试温度: 25±2°C, 电容器的性能应满足如下要求: |                     |         |      |      |      |      |      |      |
|  | 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                                       | 10WV~120WV  | φ5                  | 8000小时  |      |      |      |      |      |      |
|  |   | φ6.3                | 10000小时 |      |      |      |      |      |      |
| 160WV~500WV                                | ≥φ8   | 12000小时             |         |      |      |      |      |      |      |
|  | φ5~φ6.3   | 10000小时 ≥φ8 12000小时 |         |      |      |      |      |      |      |
| 高温储存                                       | 在105°C下, 储存1000小时, 置于常温16小时后测试, 测试温度: 25±2°C, 电容器的性能应满足如下要求                   |                     |         |      |      |      |      |      |      |
|  | 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         |         |      |      |      |      |      |      |

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