

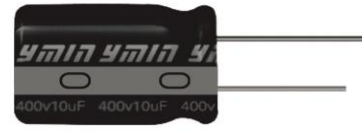
## LKF系列

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                               |                |   |                                    |



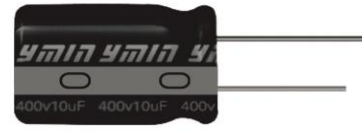
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### 主要技术参数:

| 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)            | 10             |                              |                                    | 16             |                              |                                    | 25             |                              |                                    | 35             |                              |                                    |
|------------------|----------------|------------------------------|------------------------------------|----------------|------------------------------|------------------------------------|----------------|------------------------------|------------------------------------|----------------|------------------------------|------------------------------------|
| 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℃) | 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) | 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                                | 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                                | 8×11.5         | 12.50                        | 150                                |
| 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                                | 10×12.5        | 0.25                         | 624                                | 8×23           | 0.25                         | 624                                | 10×20          | 5.55                         | 850                                |
| 68               | 8×9            | 0.23                         | 390                                | 10×9           | 0.63                         | 470                                | 10×9           | 0.63                         | 470                                | 10×16          | 0.25                         | 624                                | 10×16          | 0.25                         | 624                                | 12.5×16        | 5.55                         | 850                                |
| 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                                | 10×9           | 0.26                         | 750                                | 10×12.5        | 0.25                         | 624                                | 10×14          | 0.21                         | 750                                | 12.5×14        | 0.21                         | 750                                | 12.5×20        | 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                                |                |                              |                                    |
| 150              | 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                               |
| 180              | 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                               |
| 220              | 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                               |
| 270              | 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                               |
| 330              | 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                               |
| 390              | 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                               |
| 470              | 10×14          | 0.11                         | 1230                               |                |                              |                                    | 12.5×16        | 0.14                         | 1040                               |                |                              |                                    |                |                              |                                    |                |                              |                                    |
| 560              | 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                               |
| 680              | 10×16          | 0.0510                       | 1370                               | 12.5×16        | 0.0902                       | 1500                               |                |                              |                                    | 18×20          | 0.0660                       | 1620                               | 18×25          | 0.0660                       | 1620                               | 18×25          | 1.88                         | 2320                               |
| 820              | 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                               |
| 1000             | 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                               |
| 1200             | 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                               |
| 1500             | 12.5×16        | 0.0550                       | 1650                               | 12.5×20        | 0.0660                       | 1870                               |                |                              |                                    | 16×25          | 0.0480                       | 2210                               | 18×25          | 0.0480                       | 2140                               |                |                              |                                    |
| 1800             | 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                               |
| 2200             | 16×20          | 0.0250                       | 2730                               | 16×25          | 0.0350                       | 2730                               | 16×20          | 0.0640                       | 1750                               | 16×25          | 0.0480                       | 2210                               | 18×31.5        | 0.0400                       | 2210                               |                |                              |                                    |
| 2700             | 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                               | 18×25          | 0.0420                       | 2270                               | 18×25          | 0.0420                       | 2270                               |                |                              |                                    |                |                              |                                    |
|                  | 12.5×30        | 0.0385                       | 2410                               | 12.5×30        | 0.0385                       | 2410                               | 12.5×40        | 0.0400                       | 2340                               | 16×35.5        | 0.0320                       | 2600                               | 18×35.5        | 0.0320                       | 2600                               |                |                              |                                    |
|                  | 16×20          | 0.0473                       | 2500                               | 16×25          | 0.0473                       | 2500                               | 16×25          | 0.0480                       | 2210                               | 18×31.5        | 0.0340                       | 2860                               |                |                              |                                    |                |                              |                                    |
|                  | 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                               | 16×25          | 0.0350                       | 2730                               | 18×25          | 0.0420                       | 2270                               | 18×35.5        | 0.0300                       | 2860                               | 18×40          | 0.0290                       | 3510                               |                |                              |                                    |
|                  | 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                               |                |                              |                                    |                |                              |                                    |                |                              |                                    |
|                  | 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                               |                |                              |                                    |                |                              |                                    |                |                              |                                    |
|                  | 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                               |                |                              |                                    |                |                              |                                    |                |                              |                                    |                |                              |                                    |
|                  | 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:

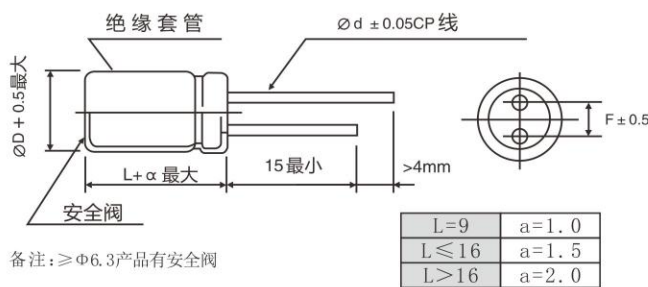
| 电压(V)            | 200            |                              |                                    | 250            |                              |                                    | 350            |                              |                                    | 400            |                              |                                    |
|------------------|----------------|------------------------------|------------------------------------|----------------|------------------------------|------------------------------------|----------------|------------------------------|------------------------------------|----------------|------------------------------|------------------------------------|
| 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℃) | 纹波电流<br>(mA r.m.s./105℃<br>100kHz) |
| 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              |                |                              |                                    | 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         | 23.50                        | 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              | 6.3×11         | 14.90                        | 125                                | 8×9            | 14.90                        | 140                                | 8×11.5         | 17.00                        | 140                                | 8×14           | 15.00                        | 200                                |
| 10               | 8×9            | 14.90                        | 1                                  |                |                              |                                    |                |                              |                                    |                |                              |                                    |



#### 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                             |               |                                       |                                 |
| 18    |        | 12.5×20       | 6.70                                  | 450                             | 12.5×25       | 7.00                                  | 470                             |
|       |        | 12.5×30       | 3.05                                  | 755                             |               |                                       |                                 |
| 22    |        | 16×20         | 3.05                                  | 740                             | 16×25         | 3.50                                  | 650                             |
|       |        | 16×20         | 3.05                                  | 740                             |               |                                       |                                 |
| 33    |        | 12.5×35       | 1.60                                  | 1215                            | 16×31.5       | 2.50                                  | 720                             |
|       |        | 16×25         | 1.60                                  | 1215                            |               |                                       |                                 |
| 47    |        | 16×31.5       | 1.60                                  | 1215                            | 16×35.5       | 2.30                                  | 840                             |
|       |        | 18×25         | 1.60                                  | 1300                            |               |                                       |                                 |
| 56    |        | 16×31.5       | 1.60                                  | 1215                            | 18×31.5       | 2.30                                  | 840                             |
|       |        | 16×40         | 1.35                                  | 1675                            |               |                                       |                                 |
| 68    |        | 18×31.5       | 1.45                                  | 1700                            | 18×35.5       | 1.80                                  | 1100                            |
|       |        | 18×31.5       | 1.45                                  | 1700                            |               |                                       |                                 |
| 82    |        | 18×35.5       | 1.35                                  | 1800                            | 18×40         | 1.50                                  | 1150                            |
|       |        | 18×40         | 1.25                                  | 1930                            |               |                                       |                                 |
| 100   |        | 18×40         | 1.25                                  | 1930                            | 18×45         | 1.40                                  | 1600                            |
|       |        | 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                                   | ≤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                                   | ±20% (25±2°C 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<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1000μF者, 则每增加1000μF, 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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