



| 1      | 2      | 3    | 4  | 5    | 6   | 7       | 8  | 9        | 10  | 11        | 12 | 13       | 14                  |
|--------|--------|------|----|------|-----|---------|----|----------|-----|-----------|----|----------|---------------------|
| ↓      |        | ↓    |    | ↓    |     | ↓       |    | ↓        |     | ↓         |    | ↓        |                     |
| 系列     | 代码     | 产品直径 | 代码 | 产品高度 | 代码  | 额定电压(V) | 代码 | 静电容量(μF) | 代码  | 容量范围      | 代码 | 附属码(国内)  |                     |
| L3M    | L3M    | 3.5  | F  | 3.95 | 039 | 6.3     | 0J | 0.1      | R10 | ±20%      | M  | O        | 引线30F/35F           |
| LMM    | LMM    | 3.55 | W  | 4.5  | 045 | 10      | 1A | 0.22     | R22 | ±10%      | K  | H        | 引线33F/38F           |
| LK7    | LK7    | 4    | A  | 5    | 050 | 16      | 1C | 0.33     | R33 | 0%~+10%   | R  | F        | 引线22F/27F           |
| LK     | OLK    | 4.5  | G  | 5.4  | 054 | 20      | 1D | 0.47     | R47 | 0%~-10%   | T  | A        | 切直脚A图               |
| KCX    | KCX    | 5    | B  | 5.7  | 057 | 25      | 1E | 0.56     | R56 | -10%~+20% | V  | B        | 切脚成型B图              |
| KCG    | KCG    | 5.5  | H  | 5.8  | 058 | 27      | 1N | 0.68     | R68 | -20%~+5%  | L  | C        | 切脚成型C图              |
| KCM    | KCM    | 6.3  | C  | 6.5  | 065 | 35      | 1V | 0.82     | R82 | -10%~+5%  | G  | D        | 切脚成型D图              |
| LKF    | LKF    | 7    | T  | 7    | 070 | 40      | 1G | 1.0      | 1R0 | -10%~+15% | H  | E        | 切脚成型E图              |
| LKM    | LKM    | 8    | D  | 7.7  | 077 | 50      | 1H | 2.2      | 2R2 | 0%~+40%   | I  | Q        | 切脚折弯90°<br>F图A型(右)  |
| LKG    | LKG    | 10   | E  | 8    | 080 | 63      | 1J | 3.3      | 3R3 | ±15%      | J  | P        | 切脚折弯90°<br>F图B型(左)  |
| LKZ    | LKZ    | 12.5 | L  | 8.5  | 085 | 70      | 1L | 3.9      | 3R9 | -20%~+50% | A  | X        | 切脚成型G图              |
| LLK    | LLK    | 13   | S  | 9    | 090 | 80      | 1K | 4.7      | 4R7 | -5%~-20%  | B  | g        | 切脚双折弯90°<br>H图A型(右) |
| LKX    | LKX    | 14.5 | U  | 9.5  | 095 | 90      | 1F | 5.6      | 5R6 | -5%~+20%  | E  | f        | 切脚双折弯90°<br>H图B型(左) |
| LKL    | LKL    | 16   | I  | 10   | 100 | 100     | 2A | 6.8      | 6R8 | -15%~+5%  | C  | K        | 编带A图                |
| LKL(R) | LKL(R) | 18   | J  | 10.5 | 105 | 110     | 2R | 8.2      | 8R2 | -15%~-5%  | D  | J        | 编带B图                |
| LKJ    | LKJ    | 20   | N  | 11   | 110 | 120     | 2K | 10       | 100 | 0%~+20%   | F  | V        | SMD                 |
| LKD    | LKD    | 22   | K  | 11.5 | 115 | 125     | 2B | 12       | 120 | 0%~+15%   | N  | TM       | 涂膜                  |
| LED    | LED    | 25   | M  | 12   | 120 | 130     | 1Q | 15       | 150 | -5%~+15%  | W  | CG       | 车规                  |
| LKE    | LKE    |      |    | 12.5 | 125 | 140     | 2Q | 22       | 220 | -20%~+0%  | S  | TJ       | 透明                  |
| V4M    | V4M    |      |    | 13   | 130 | 160     | 2C | 33       | 330 | -20%~+10% | P  | SLYP     | 塑料圆盘                |
| V3MC   | V3MC   |      |    | 13.5 | 135 | 180     | 2M | 47       | 470 | 0%~+5%    | Q  | 附属码(IND) |                     |
| V3M    | V3M    |      |    | 14   | 140 | 200     | 2D | 56       | 560 | -15%~+20% | u  | 2        | 引线30F/35F           |
| VMM    | VMM    |      |    | 14.5 | 145 | 250     | 2E | 68       | 680 |           |    | 3        | 引线33F/38F           |
| VK7    | VK7    |      |    | 15   | 150 | 270     | 2N | 82       | 820 |           |    | 4        | 切直脚A图               |
| VKO    | VKO    |      |    | 16   | 160 | 300     | 2S | 100      | 101 |           |    | 5        | 切脚成型B图              |
| VKM    | VKM    |      |    | 16.5 | 165 | 315     | 2F | 120      | 121 |           |    | 6        | 切脚成型C图              |
| VKG    | VKG    |      |    | 17   | 170 | 320     | 1U | 150      | 151 |           |    | 7        | 切脚成型D图              |
| VKL    | VKL    |      |    | 18   | 180 | 330     | 2U | 180      | 181 |           |    | 8        | 切脚成型E图              |
| VKL(R) | VKL(R) |      |    | 19   | 190 | 350     | 2V | 220      | 221 |           |    | 9        | 引线22F/27F           |
|        |        |      |    | 20   | 200 | 375     | 2P | 330      | 331 |           |    | M        | 编带A图                |
|        |        |      |    | 21   | 210 | 400     | 2G | 470      | 471 |           |    | N        | 编带B图                |
|        |        |      |    | 22   | 220 | 420     | 2T | 560      | 561 |           |    |          |                     |
|        |        |      |    | 23   | 230 | 450     | 2W | 680      | 681 |           |    |          |                     |
|        |        |      |    | 25   | 250 | 480     | 2L | 820      | 821 |           |    |          |                     |
|        |        |      |    | 28   | 280 | 500     | 2H | 1000     | 102 |           |    |          |                     |
|        |        |      |    | 30   | 300 | 550     | 2I | 1500     | 152 |           |    |          |                     |
|        |        |      |    | 31.5 | 315 | 600     | 2J | 2200     | 222 |           |    |          |                     |
|        |        |      |    | 32   | 320 | 630     | 2Y | 3300     | 332 |           |    |          |                     |
|        |        |      |    | 35.5 | 355 | 650     | 2X | 4700     | 472 |           |    |          |                     |
|        |        |      |    | 36   | 360 |         |    | 6800     | 682 |           |    |          |                     |
|        |        |      |    | 40   | 400 |         |    | 10000    | 103 |           |    |          |                     |
|        |        |      |    | 41.5 | 415 |         |    | 22000    | 223 |           |    |          |                     |
|        |        |      |    | 45   | 450 |         |    | 33000    | 333 |           |    |          |                     |
|        |        |      |    | 50   | 500 |         |    |          |     |           |    |          |                     |



LKL

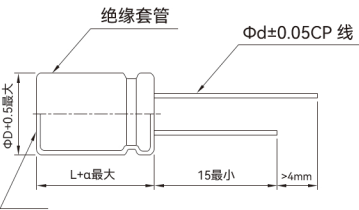
- ◆耐高温 长寿命 电源专用品
- ◆130℃环境下2000~5000小时
- ◆符合AEC-Q200 RoHS指令对应



■ 主要技术参数

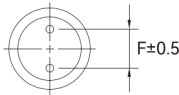
| 项目                      | 特性                                                                         |      |      |             |      |        |      |             |      |        |  |
|-------------------------|----------------------------------------------------------------------------|------|------|-------------|------|--------|------|-------------|------|--------|--|
| 使用温度范围                  | ≤ 120V -55~+130℃ ； 160~500V -40~+130℃                                      |      |      |             |      |        |      |             |      |        |  |
| 标称电压范围                  | 10~500V                                                                    |      |      |             |      |        |      |             |      |        |  |
| 容量允许偏差                  | ±20% (25±2℃ 120Hz)                                                         |      |      |             |      |        |      |             |      |        |  |
| 漏电流(μA)                 | 10~120WV I≤0.01CV or 3μA 取大者 C:标称容量(μF) V:额定电压(V) 2分钟读数                    |      |      |             |      |        |      |             |      |        |  |
|                         | 160~500WV I≤0.02CV+10(μA) C:标称容量(μF) V:额定电压(V) 2分钟读数                       |      |      |             |      |        |      |             |      |        |  |
| 损耗角正切值<br>(25±2℃ 120Hz) | 额定电压(V)                                                                    | 10   | 16   | 25          | 35   | 50     | 63   | 80          | 100  |        |  |
|                         | tg δ                                                                       | 0.20 | 0.16 | 0.14        | 0.12 | 0.10   | 0.09 | 0.09        | 0.08 |        |  |
|                         | 额定电压(V)                                                                    | 120  | 160  | 200         | 250  | 400    | 450  | 500         |      |        |  |
|                         | tg δ                                                                       | 0.09 | 0.08 | 0.15        | 0.15 | 0.20   | 0.20 | 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℃)/Z(20℃)                                                          |      | 3    | 2           | 2    | 2      | 2    | 2           | 2    | 2      |  |
|                         | 额定电压(V)                                                                    |      | 120  | 160         | 200  | 250    | 400  | 450         | 500  |        |  |
|                         | 阻抗比Z(-40℃)/Z(20℃)                                                          |      | 5    | 3           | 3    | 3      | 6    | 7           | 7    |        |  |
| 耐久性                     | 在130℃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                                                                      |      |      | 10~120WV    |      |        |      | 在初始值的±30%以内 |      |        |  |
|                         |                                                                            |      |      | 160~500WV   |      |        |      | 在初始值的±20%以内 |      |        |  |
|                         | 损耗角正切值                                                                     |      |      | 10~120WV    |      |        |      | 在规定值的300%以下 |      |        |  |
|                         |                                                                            |      |      | 160~500WV   |      |        |      | 在规定值的200%以下 |      |        |  |
|                         | 漏电流                                                                        |      |      | 在规定值以下      |      |        |      |             |      |        |  |
|                         | 负荷寿命                                                                       |      |      | 10~120WV    |      |        |      | 160~500WV   |      |        |  |
|                         |                                                                            |      |      | 外形尺寸        |      | 负荷寿命   |      | 外形尺寸        |      | 负荷寿命   |  |
|                         |                                                                            |      |      | ΦD=5、6.3    |      | 2000小时 |      | ΦD=5、6.3    |      | 2000小时 |  |
|                         |                                                                            |      |      | ΦD=8、10     |      | 3000小时 |      | ΦD=8        |      | 3000小时 |  |
| ΦD=≥12.5                |                                                                            |      |      | 5000小时      |      | ΦD=≥10 |      | 5000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 |      |        |      |             |      |        |  |

■ 产品尺寸图 (单位: mm)



安全阀

备注: ≥Φ6.3 产品有安全阀



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

|   |     |     |     |     |         |                |      |     |     |
|---|-----|-----|-----|-----|---------|----------------|------|-----|-----|
| D | 5   | 6.3 | 8   | 10  | 12.5~13 | 12.5~13(高度≥30) | 14.5 | 16  | 18  |
| d | 0.5 | 0.5 | 0.6 | 0.6 | 0.7     | 0.6            | 0.8  | 0.8 | 0.8 |
| F | 2.0 | 2.5 | 3.5 | 5.0 | 5.0     | 5.0            | 7.5  | 7.5 | 7.5 |

■ 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(℃) | 50℃ | 70℃ | 85℃ | 105℃ | 130℃ |
| 修正因子    | 2.4 | 2.1 | 1.8 | 1.4  | 1.0  |



LKL

■ 标准品一览表

| 电压(V)            | 10             |                              |                                    | 16             |                              |                                    | 25             |                              |                                    | 35             |                              |                                    |
|------------------|----------------|------------------------------|------------------------------------|----------------|------------------------------|------------------------------------|----------------|------------------------------|------------------------------------|----------------|------------------------------|------------------------------------|
| 项目<br>容量<br>(μF) | 尺寸<br>ΦD×L(mm) | 阻抗<br>(Ωmax/100kHz<br>25±2℃) | 纹波电流<br>(mA r.m.s/<br>130℃ 100kHz) | 尺寸<br>ΦD×L(mm) | 阻抗<br>(Ωmax/100kHz<br>25±2℃) | 纹波电流<br>(mA r.m.s/<br>130℃ 100kHz) | 尺寸<br>ΦD×L(mm) | 阻抗<br>(Ωmax/100kHz<br>25±2℃) | 纹波电流<br>(mA r.m.s/<br>130℃ 100kHz) | 尺寸<br>ΦD×L(mm) | 阻抗<br>(Ωmax/100kHz<br>25±2℃) | 纹波电流<br>(mA r.m.s/<br>130℃ 100kHz) |
| 10               | 5×9            | 15.00                        | 72                                 | 5×9            | 15.00                        | 72                                 | 5×9            | 15.00                        | 72                                 | 5×9            | 15.00                        | 81                                 |
| 22               | 5×9            | 15.00                        | 72                                 | 5×9            | 15.00                        | 72                                 | 5×9            | 15.00                        | 72                                 | 5×9            | 15.00                        | 31                                 |
| 47               | 5×9            | 15.00                        | 114                                | 5×9            | 15.00                        | 114                                | 5×9            | 15.00                        | 114                                | 5×11           | 15.00                        | 240                                |
| 100              | 5×9            | 15.00                        | 114                                | 5×11           | 15.00                        | 200                                | 6.3×9          | 4.50                         | 240                                | 8×9            | 4.50                         | 324                                |
| 150              | 5×11           | 4.50                         | 162                                | 6.3×9          | 4.50                         | 240                                | 8×9            | 4.50                         | 324                                | 8×11.5         | 3.60                         | 380                                |
| 150              | 6.3×9          | 4.50                         | 200                                |                |                              |                                    |                |                              |                                    | 10×9           | 3.50                         | 324                                |
| 220              | 6.3×9          | 4.50                         | 324                                | 8×9            | 4.50                         | 324                                | 8×11.5         | 3.60                         | 380                                | 8×11.5         | 2.50                         | 650                                |
| 330              | 6.3×11         | 3.60                         | 380                                | 8×9            | 3.60                         | 380                                | 8×14           | 0.28                         | 650                                | 10×12.5        | 0.25                         | 850                                |
| 330              | 8×9            | 3.50                         | 324                                |                |                              |                                    | 10×12.5        | 0.28                         | 650                                |                |                              |                                    |
| 470              | 8×9            | 0.15                         | 620                                | 8×11.5         | 0.28                         | 650                                | 10×12.5        | 0.25                         | 850                                | 10×16          | 0.115                        | 1000                               |
| 1000             | 10×12.5        | 0.098                        | 1000                               | 10×16          | 0.170                        | 1000                               | 10×20          | 0.140                        | 1155                               | 12.5×20        | 0.040                        | 1500                               |
| 1200             |                |                              |                                    |                |                              |                                    |                |                              |                                    | 14.5×16        | 0.058                        | 1630                               |
| 1500             |                |                              |                                    |                |                              |                                    |                |                              |                                    | 14.5×20        | 0.045                        | 1820                               |
| 1800             |                |                              |                                    |                |                              |                                    | 14.5×16        | 0.135                        | 2160                               | 14.5×23        | 0.032                        | 2050                               |
| 2200             | 12.5×16        | 0.076                        | 1500                               | 12.5×20        | 0.104                        | 1500                               | 16×20          | 0.072                        | 2400                               | 14.5×25        | 0.018                        | 2320                               |
| 2200             |                |                              |                                    |                |                              |                                    | 14.5×20        | 0.112                        | 2360                               | 16×25          | 0.040                        | 2650                               |
| 2700             |                |                              |                                    | 14.5×16        | 0.081                        | 2150                               | 14.5×23        | 0.095                        | 2620                               | 14.5×27        | 0.012                        | 2650                               |
| 3300             | 12.5×20        | 0.072                        | 1780                               | 12.5×25        | 0.081                        | 2400                               | 14.5×25        | 0.080                        | 2800                               | 18×35.5        | 0.028                        | 2950                               |
| 3300             |                |                              |                                    | 14.5×20        | 0.068                        | 2480                               | 16×25          | 0.041                        | 2650                               |                |                              |                                    |
| 3900             | 14.5×16        | 0.072                        | 2100                               |                |                              |                                    | 14.5×27        | 0.066                        | 3020                               |                |                              |                                    |
| 4700             | 14.5×20        | 0.060                        | 2400                               | 14.5×23        | 0.058                        | 2750                               |                |                              |                                    |                |                              |                                    |
| 4700             | 16×20          | 0.034                        | 2400                               | 16×25          | 0.031                        | 2650                               |                |                              |                                    |                |                              |                                    |
| 5600             | 14.5×23        | 0.048                        | 2650                               | 14.5×25        | 0.048                        | 3050                               |                |                              |                                    |                |                              |                                    |
| 6800             | 14.5×25        | 0.040                        | 2880                               | 14.5×27        | 0.035                        | 3210                               |                |                              |                                    |                |                              |                                    |
| 8200             | 14.5×27        | 0.032                        | 3050                               |                |                              |                                    |                |                              |                                    |                |                              |                                    |

| 电压(V)            | 50             |                              |                                    | 63             |                              |                                    | 80             |                              |                                    | 100            |                              |                                    |
|------------------|----------------|------------------------------|------------------------------------|----------------|------------------------------|------------------------------------|----------------|------------------------------|------------------------------------|----------------|------------------------------|------------------------------------|
| 项目<br>容量<br>(μF) | 尺寸<br>ΦD×L(mm) | 阻抗<br>(Ωmax/100kHz<br>25±2℃) | 纹波电流<br>(mA r.m.s/<br>130℃ 100kHz) | 尺寸<br>ΦD×L(mm) | 阻抗<br>(Ωmax/100kHz<br>25±2℃) | 纹波电流<br>(mA r.m.s/<br>130℃ 100kHz) | 尺寸<br>ΦD×L(mm) | 阻抗<br>(Ωmax/100kHz<br>25±2℃) | 纹波电流<br>(mA r.m.s/<br>130℃ 100kHz) | 尺寸<br>ΦD×L(mm) | 阻抗<br>(Ωmax/100kHz<br>25±2℃) | 纹波电流<br>(mA r.m.s/<br>130℃ 100kHz) |
| 1.0              | 5×9            | 3.70                         | 32                                 | 5×9            | 3.70                         | 32                                 | 5×9            | 3.70                         | 32                                 | 5×9            | 3.70                         | 32                                 |
| 1.5              | 5×9            | 3.70                         | 32                                 | 5×9            | 3.70                         | 32                                 | 5×9            | 3.70                         | 32                                 | 5×9            | 3.70                         | 32                                 |
| 1.8              | 5×9            | 3.70                         | 32                                 | 5×9            | 3.70                         | 32                                 | 5×9            | 3.70                         | 32                                 | 5×9            | 3.70                         | 32                                 |
| 2.2              | 5×9            | 3.70                         | 45                                 | 5×9            | 3.70                         | 45                                 | 5×9            | 3.70                         | 45                                 | 5×9            | 3.70                         | 45                                 |
| 2.7              | 5×9            | 3.70                         | 45                                 | 5×9            | 3.70                         | 45                                 | 5×9            | 3.70                         | 45                                 | 5×9            | 3.70                         | 45                                 |
| 3.3              | 5×9            | 3.70                         | 63                                 | 5×9            | 3.70                         | 63                                 | 5×9            | 3.70                         | 63                                 | 5×9            | 3.70                         | 63                                 |
| 3.9              | 5×9            | 3.70                         | 63                                 | 5×9            | 3.70                         | 63                                 | 5×9            | 3.70                         | 63                                 | 5×9            | 3.70                         | 63                                 |
| 4.7              | 5×9            | 3.70                         | 90                                 | 5×9            | 3.70                         | 90                                 | 5×9            | 3.70                         | 90                                 | 5×9            | 3.70                         | 90                                 |



LKL

■ 标准品一览表

| 电压(V)            | 50             |                               |                                     | 63             |                               |                                     | 80             |                               |                                     | 100            |                               |                                     |
|------------------|----------------|-------------------------------|-------------------------------------|----------------|-------------------------------|-------------------------------------|----------------|-------------------------------|-------------------------------------|----------------|-------------------------------|-------------------------------------|
| 项目<br>容量<br>(μF) | 尺寸<br>ΦD×L(mm) | 阻抗<br>(Ωmax/100kHz<br>25±2°C) | 纹波电流<br>(mA r.m.s/<br>130°C 100kHz) | 尺寸<br>ΦD×L(mm) | 阻抗<br>(Ωmax/100kHz<br>25±2°C) | 纹波电流<br>(mA r.m.s/<br>130°C 100kHz) | 尺寸<br>ΦD×L(mm) | 阻抗<br>(Ωmax/100kHz<br>25±2°C) | 纹波电流<br>(mA r.m.s/<br>130°C 100kHz) | 尺寸<br>ΦD×L(mm) | 阻抗<br>(Ωmax/100kHz<br>25±2°C) | 纹波电流<br>(mA r.m.s/<br>130°C 100kHz) |
| 5.6              | 5×9            | 3.70                          | 90                                  | 5×9            | 3.70                          | 90                                  | 5×9            | 3.70                          | 90                                  | 5×11           | 3.70                          | 90                                  |
| 6.8              | 5×9            | 3.70                          | 94                                  | 5×9            | 3.70                          | 94                                  | 5×9            | 3.70                          | 90                                  | 5×11           | 3.70                          | 90                                  |
| 8.2              | 5×9            | 3.70                          | 98                                  | 5×9            | 3.70                          | 98                                  | 5×9            | 3.70                          | 90                                  | 5×11           | 3.70                          | 90                                  |
| 10               | 5×9            | 3.70                          | 98                                  | 5×9            | 3.70                          | 108                                 | 5×11           | 3.70                          | 108                                 | 6.3×9          | 3.70                          | 180                                 |
| 15               | 5×9            | 3.70                          | 108                                 | 5×9            | 3.70                          | 118                                 | 6.3×9          | 3.70                          | 180                                 | 6.3×11         | 2.70                          | 210                                 |
| 15               |                |                               |                                     |                |                               |                                     |                |                               |                                     | 8×9            | 3.70                          | 180                                 |
| 22               | 5×11           | 2.60                          | 170                                 | 6.3×9          | 2.60                          | 180                                 | 6.3×11         | 2.70                          | 210                                 | 8×11.5         | 2.70                          | 230                                 |
| 22               |                |                               |                                     |                |                               |                                     | 8×9            | 3.70                          | 180                                 | 10×9           | 3.70                          | 198                                 |
| 33               | 6.3×9          | 2.60                          | 245                                 | 6.3×11         | 2.60                          | 265                                 | 6.3×11         | 2.70                          | 230                                 | 8×11.5         | 2.00                          | 280                                 |
| 33               |                |                               |                                     | 8×9            | 2.00                          | 280                                 | 8×9            | 3.70                          | 198                                 | 10×9           | 2.00                          | 280                                 |
| 47               | 6.3×11         | 2.60                          | 320                                 | 8×9            | 2.00                          | 420                                 | 8×11.5         | 2.00                          | 280                                 | 10×12.5        | 1.00                          | 350                                 |
| 47               | 8×9            | 2.60                          | 330                                 |                |                               |                                     | 10×9           | 2.00                          | 280                                 |                |                               |                                     |
| 56               | 8×9            | 2.60                          | 330                                 | 8×9            | 2.00                          | 420                                 | 10×9           | 2.00                          | 280                                 | 10×12.5        | 1.00                          | 350                                 |
| 100              | 8×11.5         | 1.50                          | 500                                 | 8×16           | 1.20                          | 590                                 | 10×16          | 1.00                          | 550                                 | 12.5×16        | 0.50                          | 700                                 |
| 100              | 10×9           | 1.50                          | 550                                 | 10×12.5        | 1.20                          | 590                                 |                |                               |                                     |                |                               |                                     |
| 220              | 10×16          | 1.00                          | 940                                 | 10×20          | 0.50                          | 860                                 | 12.5×20        | 0.45                          | 890                                 | 12.5×25        | 0.40                          | 1155                                |
| 220              |                |                               |                                     |                |                               |                                     |                |                               |                                     | 14.5×16        | 0.35                          | 1155                                |
| 270              |                |                               |                                     |                |                               |                                     |                |                               |                                     | 14.5×20        | 0.31                          | 1220                                |
| 330              | 12.5×16        | 0.80                          | 980                                 | 12.5×20        | 0.45                          | 1050                                | 12.5×25        | 0.45                          | 1050                                | 14.5×23        | 0.23                          | 1340                                |
| 330              |                |                               |                                     |                |                               |                                     | 14.5×16        | 0.076                         | 1050                                | 16×25          | 0.10                          | 1400                                |
| 390              |                |                               |                                     |                |                               |                                     | 14.5×20        | 0.063                         | 1160                                | 14.5×25        | 0.19                          | 1460                                |
| 470              | 12.5×20        | 0.50                          | 1050                                | 12.5×25        | 0.45                          | 1570                                | 14.5×23        | 0.057                         | 1250                                | 14.5×27        | 0.15                          | 1580                                |
| 470              |                |                               |                                     | 14.5×16        | 1.12                          | 1500                                | 16×25          | 0.31                          | 1400                                | 16×31.5        | 0.092                         | 1680                                |
| 560              |                |                               |                                     | 14.5×20        | 0.95                          | 1580                                | 14.5×25        | 0.052                         | 1320                                |                |                               |                                     |
| 680              | 14.5×16        | 0.135                         | 1650                                | 14.5×23        | 0.78                          | 1610                                | 14.5×27        | 0.048                         | 1400                                |                |                               |                                     |
| 820              | 14.5×20        | 0.112                         | 1930                                | 14.5×25        | 0.6                           | 1700                                |                |                               |                                     |                |                               |                                     |
| 1000             | 14.5×23        | 0.095                         | 2120                                | 14.5×27        | 0.45                          | 1850                                |                |                               |                                     |                |                               |                                     |
| 1000             | 16×25          | 0.05                          | 2290                                | 16×31.5        | 0.45                          | 1950                                | 18×31.5        | 0.18                          | 1680                                | 18×45          | 0.066                         | 1780                                |
| 1200             | 14.5×25        | 0.070                         | 2260                                |                |                               |                                     |                |                               |                                     |                |                               |                                     |
| 1500             | 14.5×27        | 0.050                         | 2320                                |                |                               |                                     |                |                               |                                     |                |                               |                                     |
| 1500             | 16×31.5        | 0.035                         | 2580                                | 18×31.5        | 0.43                          | 2450                                |                |                               |                                     |                |                               |                                     |
| 2200             | 18×35.5        | 0.029                         | 2950                                |                |                               |                                     |                |                               |                                     |                |                               |                                     |



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■ 标准品一览表

| 电压(V)            | 120            |                              |                                    | 160            |                              |                                    | 200            |                              |                                    | 250            |                              |                                    |
|------------------|----------------|------------------------------|------------------------------------|----------------|------------------------------|------------------------------------|----------------|------------------------------|------------------------------------|----------------|------------------------------|------------------------------------|
| 项目<br>容量<br>(μF) | 尺寸<br>ΦD×L(mm) | 阻抗<br>(Ωmax/100kHz<br>25±2℃) | 纹波电流<br>(mA r.m.s/<br>130℃ 100kHz) | 尺寸<br>ΦD×L(mm) | 阻抗<br>(Ωmax/100kHz<br>25±2℃) | 纹波电流<br>(mA r.m.s/<br>130℃ 100kHz) | 尺寸<br>ΦD×L(mm) | 阻抗<br>(Ωmax/100kHz<br>25±2℃) | 纹波电流<br>(mA r.m.s/<br>130℃ 100kHz) | 尺寸<br>ΦD×L(mm) | 阻抗<br>(Ωmax/100kHz<br>25±2℃) | 纹波电流<br>(mA r.m.s/<br>130℃ 100kHz) |
| 0.47             |                |                              |                                    | 5×11           | 28.00                        | 48                                 | 6.3×9          | 27.00                        | 68                                 | 6.3×9          | 38.00                        | 68                                 |
| 1.0              | 5×9            | 3.70                         | 32                                 | 5×11           | 28.00                        | 48                                 | 6.3×9          | 27.00                        | 68                                 | 6.3×9          | 38.00                        | 68                                 |
| 1.2              | 5×9            | 3.70                         | 32                                 |                |                              |                                    |                |                              |                                    |                |                              |                                    |
| 1.5              | 5×9            | 3.70                         | 32                                 | 5×11           | 28.00                        | 48                                 | 6.3×9          | 27.00                        | 68                                 | 6.3×9          | 38.00                        | 68                                 |
| 1.8              | 5×9            | 3.70                         | 32                                 | 5×11           | 28.00                        | 68                                 | 6.3×9          | 27.00                        | 72                                 | 6.3×9          | 38.00                        | 81                                 |
| 2.2              | 5×9            | 3.70                         | 45                                 | 5×11           | 28.00                        | 68                                 | 6.3×9          | 27.00                        | 81                                 | 6.3×9          | 38.00                        | 81                                 |
| 2.7              | 5×9            | 3.70                         | 45                                 | 5×11           | 28.00                        | 68                                 | 6.3×9          | 27.00                        | 81                                 | 6.3×9          | 38.00                        | 81                                 |
| 3.3              | 5×9            | 3.70                         | 63                                 | 5×11           | 28.00                        | 72                                 | 6.3×9          | 27.00                        | 85                                 | 6.3×9          | 38.00                        | 90                                 |
| 3.9              | 5×11           | 3.70                         | 63                                 | 5×11           | 28.00                        | 72                                 | 6.3×9          | 27.00                        | 90                                 | 6.3×11         | 10.15                        | 110                                |
| 4.7              | 5×11           | 3.70                         | 90                                 | 6.3×9          | 23.00                        | 81                                 | 6.3×11         | 20.15                        | 110                                | 6.3×11         | 10.15                        | 110                                |
| 4.7              |                |                              |                                    |                |                              |                                    |                |                              |                                    | 8×9            | 15.50                        | 90                                 |
| 5.6              | 6.3×9          | 3.70                         | 90                                 | 6.3×9          | 23.00                        | 85                                 | 8×9            | 15.50                        | 117                                | 8×9            | 15.50                        | 117                                |
| 6.8              | 6.3×9          | 3.70                         | 90                                 | 6.3×11         | 15.00                        | 90                                 | 8×9            | 15.50                        | 117                                | 8×9            | 15.50                        | 162                                |
| 8.2              | 6.3×9          | 3.70                         | 90                                 | 8×9            | 15.00                        | 107                                | 8×11.5         | 6.50                         | 165                                | 8×11.5         | 6.50                         | 165                                |
| 8.2              |                |                              |                                    |                |                              |                                    | 10×9           | 3.65                         | 160                                | 10×9           | 6.50                         | 160                                |
| 10               | 6.3×11         | 2.90                         | 180                                | 8×9            | 15.00                        | 107                                | 8×14           | 3.65                         | 210                                | 8×14           | 3.65                         | 210                                |
| 10               |                |                              |                                    |                |                              |                                    | 10×9           | 3.24                         | 160                                |                |                              |                                    |
| 12               | 8×9            | 2.90                         | 210                                |                |                              |                                    |                |                              |                                    |                |                              |                                    |
| 15               | 8×11.5         | 2.70                         | 240                                | 8×11.5         | 12.50                        | 117                                | 8×16           | 3.24                         | 210                                | 8×16           | 3.65                         | 210                                |
| 15               | 10×9           | 2.70                         | 240                                |                |                              |                                    |                |                              |                                    |                |                              |                                    |
| 18               | 8×11.5         | 2.70                         | 240                                |                |                              |                                    |                |                              |                                    |                |                              |                                    |
| 18               | 10×9           | 2.70                         | 240                                |                |                              |                                    |                |                              |                                    |                |                              |                                    |
| 22               | 8×14           | 2.10                         | 310                                | 8×14           | 7.90                         | 160                                | 8×20           | 3.24                         | 250                                | 8×20           | 3.24                         | 250                                |
| 22               | 10×9           | 2.10                         | 310                                | 10×12.5        | 7.90                         | 178                                | 10×14          | 3.24                         | 250                                | 10×14          | 3.24                         | 250                                |
| 27               | 8×16           | 1.60                         | 370                                |                |                              |                                    |                |                              |                                    |                |                              |                                    |
| 27               | 10×12.5        | 1.60                         | 370                                |                |                              |                                    |                |                              |                                    |                |                              |                                    |
| 33               | 8×16           | 1.60                         | 398                                | 10×14          | 5.90                         | 255                                | 10×20          | 1.65                         | 340                                | 10×20          | 1.65                         | 340                                |
| 33               | 10×12.5        | 1.60                         | 398                                |                |                              |                                    |                |                              |                                    |                |                              |                                    |
| 39               | 8×20           | 1.25                         | 420                                |                |                              |                                    |                |                              |                                    |                |                              |                                    |
| 39               | 10×14          | 1.25                         | 420                                |                |                              |                                    |                |                              |                                    |                |                              |                                    |
| 47               | 10×14          | 1.25                         | 420                                | 10×20          | 5.55                         | 400                                | 12.5×20        | 1.50                         | 400                                | 12.5×20        | 1.50                         | 400                                |
| 56               | 10×16          | 1.00                         | 500                                | 12.5×16        | 5.55                         | 608                                | 12.5×20        | 1.40                         | 500                                | 12.5×20        | 1.40                         | 500                                |
| 56               | 12.5×14        | 1.00                         | 500                                |                |                              |                                    |                |                              |                                    |                |                              |                                    |
| 68               | 10×20          | 0.80                         | 600                                |                |                              |                                    |                |                              |                                    | 14.5×16        | 1.98                         | 620                                |
| 68               | 12.5×14        | 0.80                         | 600                                |                |                              |                                    |                |                              |                                    |                |                              |                                    |
| 82               | 12.5×16        | 0.65                         | 700                                |                |                              |                                    | 14.5×16        | 1.98                         | 680                                | 14.5×20        | 1.85                         | 680                                |
| 100              | 12.5×20        | 0.50                         | 827                                | 12.5×20        | 4.36                         | 825                                | 14.5×20        | 1.60                         | 750                                | 14.5×23        | 1.70                         | 750                                |
| 100              |                |                              |                                    | 14.5×16        | 4.20                         | 855                                | 16×20          | 1.30                         | 800                                | 16×25          | 1.30                         | 800                                |
| 120              |                |                              |                                    | 14.5×20        | 3.85                         | 980                                | 14.5×23        | 1.52                         | 820                                | 14.5×25        | 1.30                         | 830                                |
| 150              |                |                              |                                    | 14.5×23        | 3.61                         | 1080                               | 14.5×25        | 1.35                         | 950                                | 14.5×27        | 1.20                         | 910                                |
| 180              |                |                              |                                    |                |                              |                                    | 14.5×27        | 1.22                         | 1020                               |                |                              |                                    |
| 220              | 16×25          | 0.40                         | 1155                               | 14.5×25        | 3.42                         | 1160                               |                |                              |                                    |                |                              |                                    |
| 220              | 18×20          | 0.40                         | 1155                               |                |                              |                                    |                |                              |                                    |                |                              |                                    |
| 270              |                |                              |                                    | 14.5×27        | 3.15                         | 1230                               |                |                              |                                    |                |                              |                                    |
| 330              | 16×31.5        | 0.24                         | 1400                               |                |                              |                                    |                |                              |                                    |                |                              |                                    |
| 330              | 18×25          | 0.24                         | 1400                               |                |                              |                                    |                |                              |                                    |                |                              |                                    |
| 470              | 18×35.5        | 0.092                        | 1680                               |                |                              |                                    |                |                              |                                    |                |                              |                                    |
| 560              | 18×40          | 0.071                        | 1900                               |                |                              |                                    |                |                              |                                    |                |                              |                                    |



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| 电压(V)            | 400            |                              |                                    | 450            |                              |                                    | 500            |                              |                                    |
|------------------|----------------|------------------------------|------------------------------------|----------------|------------------------------|------------------------------------|----------------|------------------------------|------------------------------------|
| 项目<br>容量<br>(μF) | 尺寸<br>ΦD×L(mm) | 阻抗<br>(Ωmax/100kHz<br>25±2℃) | 纹波电流<br>(mA r.m.s/<br>130℃ 100kHz) | 尺寸<br>ΦD×L(mm) | 阻抗<br>(Ωmax/100kHz<br>25±2℃) | 纹波电流<br>(mA r.m.s/<br>130℃ 100kHz) | 尺寸<br>ΦD×L(mm) | 阻抗<br>(Ωmax/100kHz<br>25±2℃) | 纹波电流<br>(mA r.m.s/<br>130℃ 100kHz) |
| 0.47             | 6.3×9          | 35.00                        | 54                                 | 6.3×9          | 55.00                        | 60                                 |                |                              |                                    |
| 1.0              | 6.3×9          | 35.00                        | 54                                 | 6.3×9          | 55.00                        | 60                                 |                |                              |                                    |
| 1.5              | 6.3×9          | 34.00                        | 68                                 | 6.3×9          | 50.00                        | 60                                 |                |                              |                                    |
| 1.8              | 6.3×9          | 34.00                        | 68                                 | 8×9            | 45.00                        | 84                                 |                |                              |                                    |
| 2.2              | 6.3×9          | 28.00                        | 80                                 | 8×9            | 16.50                        | 90                                 |                |                              |                                    |
| 2.7              | 8×9            | 15.50                        | 100                                | 8×9            | 16.50                        | 120                                |                |                              |                                    |
| 3.3              | 8×9            | 15.50                        | 110                                | 8×11.5         | 12.80                        | 120                                |                |                              |                                    |
| 3.9              | 8×11.5         | 12.80                        | 125                                | 8×11.5         | 12.80                        | 130                                |                |                              |                                    |
| 4.7              | 8×11.5         | 10.50                        | 125                                | 8×14           | 12.0                         | 130                                |                |                              |                                    |
| 4.7              | 10×9           | 10.50                        | 125                                |                |                              |                                    |                |                              |                                    |
| 5.6              | 8×14           | 9.69                         | 130                                | 10×12.5        | 12.0                         | 140                                |                |                              |                                    |
| 6.8              | 10×12.5        | 9.69                         | 208                                | 10×14          | 11.0                         | 260                                |                |                              |                                    |
| 8.2              | 8×20           | 7.56                         | 250                                | 8×20           | 11.0                         | 260                                |                |                              |                                    |
| 8.2              | 10×14          | 7.56                         | 260                                | 10×14          | 11.0                         | 260                                |                |                              |                                    |
| 10               | 10×16          | 5.80                         | 330                                | 10×16          | 7.00                         | 320                                |                |                              |                                    |
| 10               | 12.5×14        | 4.50                         | 360                                | 12.5×14        | 7.00                         | 360                                |                |                              |                                    |
| 15               | 12.5×16        | 4.50                         | 410                                | 12.5×16        | 6.00                         | 410                                |                |                              |                                    |
| 22               | 12.5×20        | 4.25                         | 500                                | 12.5×20        | 4.50                         | 500                                |                |                              |                                    |
| 27               |                |                              |                                    |                |                              |                                    | 14.5×16        | 3.10                         | 620                                |
| 33               |                |                              |                                    | 14.5×16        | 3.10                         | 700                                | 14.5×20        | 2.90                         | 635                                |
| 33               | 16×20          | 3.00                         | 730                                | 16×20          | 3.00                         | 820                                |                |                              |                                    |
| 39               | 14.5×16        | 3.10                         | 730                                | 14.5×20        | 2.80                         | 760                                | 14.5×23        | 2.50                         | 650                                |
| 47               | 14.5×20        | 2.82                         | 800                                | 14.5×23        | 2.50                         | 810                                | 14.5×25        | 2.30                         | 660                                |
| 47               | 16×25          | 2.82                         | 850                                | 16×25          | 2.82                         | 980                                |                |                              |                                    |
| 56               | 14.5×23        | 2.35                         | 860                                | 14.5×25        | 2.20                         | 950                                | 14.5×27        | 2.15                         | 680                                |
| 56               | 16×31.5        | 1.50                         | 920                                | 16×31.5        | 2.00                         | 1100                               |                |                              |                                    |
| 68               | 14.5×25        | 1.65                         | 920                                | 14.5×27        | 2.00                         | 1000                               |                |                              |                                    |
| 82               | 14.5×27        | 1.35                         | 980                                |                |                              |                                    |                |                              |                                    |
| 100              | 18×31.5        | 0.90                         | 1170                               |                |                              |                                    |                |                              |                                    |