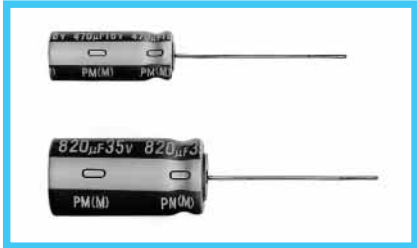


PM 转换电源用低电阻品系列

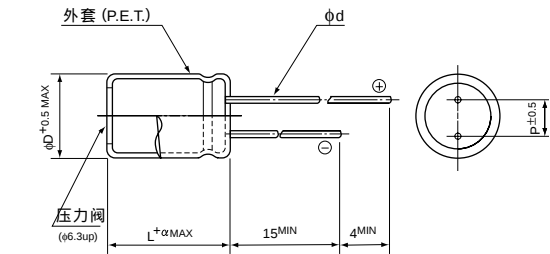


- 105 5000小时（部分为3000、2000小时）保证形高可靠性品
- 容量范围也以 E-12 形加以充实
- RoHS指令（2002/95/EC）已对应完毕。

仕样

|           |                                                                                            |                                  |          |      |         |         |         |                                                                                              |           |           |     |
|-----------|--------------------------------------------------------------------------------------------|----------------------------------|----------|------|---------|---------|---------|----------------------------------------------------------------------------------------------|-----------|-----------|-----|
| 项目        | 性 能                                                                                        |                                  |          |      |         |         |         |                                                                                              |           |           |     |
| 分类温度范围    | -55 ~ +105°C (6.3 ~ 100V), -40 ~ +105°C (160 ~ 400V), -25 ~ +105°C (450V)                  |                                  |          |      |         |         |         |                                                                                              |           |           |     |
| 额定电压范围    | 6.3 ~ 450V                                                                                 |                                  |          |      |         |         |         |                                                                                              |           |           |     |
| 额定静电容量范围  | 0.47 ~ 15000μF                                                                             |                                  |          |      |         |         |         |                                                                                              |           |           |     |
| 额定静电容量容许差 | ± 20%(120Hz, 20 )                                                                          |                                  |          |      |         |         |         |                                                                                              |           |           |     |
| 漏损电流      | 额定电压 (V)                                                                                   | 6.3 ~ 100                        |          |      |         |         |         | 160 ~ 450                                                                                    |           |           |     |
|           | 漏损电流                                                                                       | I=0.03CV或4( μ A) 中的较大值以下 ( 1分值 ) |          |      |         |         |         | CV ≤ 1000 : I = 0.1CV+40 (μA) 以下 . ( 1 分值 )<br>CV > 1000 : I = 0.04CV+100 (μA) 以下 . ( 1 分值 ) |           |           |     |
| tan δ     | 对于超过 1000μF 的产品, 每增加1000μF其值便随之增加0.02                                                      |                                  |          |      |         |         |         |                                                                                              |           |           |     |
|           | 120Hz 20°C                                                                                 |                                  |          |      |         |         |         |                                                                                              |           |           |     |
|           | 额定电压 (V)                                                                                   | 6.3                              | 10       | 16   | 25      | 35      | 50      | 63 ~ 100                                                                                     | 160 ~ 350 | 400 ~ 450 |     |
|           | tan δ (MAX.)                                                                               | 0.22                             | 0.19     | 0.16 | 0.14    | 0.12    | 0.10    | 0.08                                                                                         | 0.20      | 0.25      |     |
| 温度特性      | 额定电压 (V)                                                                                   |                                  | 6.3 · 10 | 16   | 25 · 35 | 50~100  | 160~200 | 250                                                                                          | 315~350   | 400       | 450 |
|           | 电阻率                                                                                        | Z-25°C / Z+20°C                  | —        | —    | —       | —       | —       | —                                                                                            | —         | —         | 15  |
|           |                                                                                            | Z-40°C / Z+20°C                  | —        | —    | —       | —       | 4       | 6                                                                                            | 8         | 10        | —   |
|           |                                                                                            | Z-55°C / Z+20°C                  | 4        | 3    | 3       | 2       | —       | —                                                                                            | —         | —         | —   |
| 耐久性       | 在105 下, 在不超过额定电压的范围内重叠规定的额定纹波电流, 印加5000小时( D = 5, 6.3 : 2000 小时、D=8 : 3000小时) 电压后, 应满足右边项目 |                                  |          |      |         | 静电容量变化率 |         | 初始值的 ± 20% 以下                                                                                |           |           |     |
|           |                                                                                            |                                  |          |      |         | tan δ   |         | 初始标准值的200%以下                                                                                 |           |           |     |
|           |                                                                                            |                                  |          |      |         | 漏损电流    |         | 初始标准值以下                                                                                      |           |           |     |
|           |                                                                                            |                                  |          |      |         |         |         |                                                                                              |           |           |     |
| 高温无负荷特性   | 在105 下, 无负荷放置 1000 小时后, 应满足上述耐久性的标准值                                                       |                                  |          |      |         | 静电容量变化率 |         | 初始值的 ± 20% 以下                                                                                |           |           |     |
|           |                                                                                            |                                  |          |      |         | tan δ   |         | 初始标准值的150%以下                                                                                 |           |           |     |
|           |                                                                                            |                                  |          |      |         | 漏损电流    |         | 初始标准值以下                                                                                      |           |           |     |
|           |                                                                                            |                                  |          |      |         |         |         |                                                                                              |           |           |     |
| 表示        | 在深褐色外套上标示白色                                                                                |                                  |          |      |         |         |         |                                                                                              |           |           |     |

尺寸图

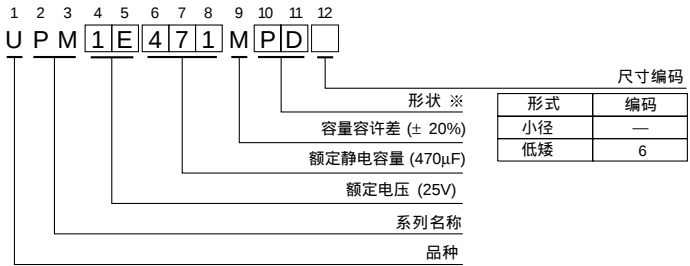


|   |               |
|---|---------------|
| α | (φD < 10) 1.5 |
|   | (φD ≥ 10) 2.0 |

|    | φD | 5   | 6.3 | 8   | 10  | 12.5 | 16  | 18  |
|----|----|-----|-----|-----|-----|------|-----|-----|
| P  |    | 2.0 | 2.5 | 3.5 | 5.0 | 5.0  | 7.5 | 7.5 |
| φd |    | 0.5 | 0.5 | 0.6 | 0.6 | 0.6  | 0.8 | 0.8 |

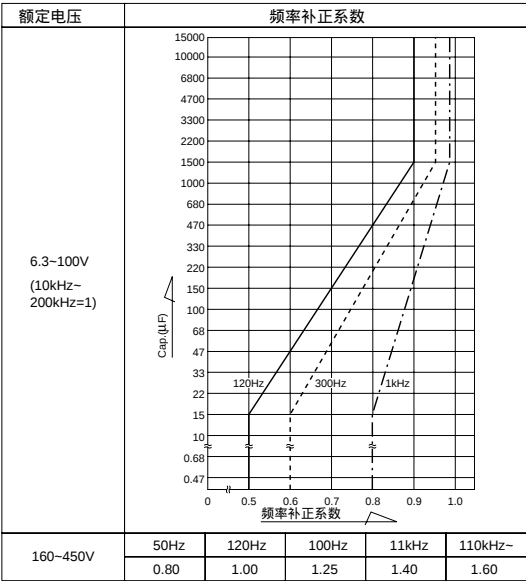
※ φ12.5 的情况下, L > 25 时, φ d = 0.8mm.

品号编码体系 (例 : 25V 470µF)



| φ D       | 无铅电镀端子 PET 外套品编码 |
|-----------|------------------|
| 5         | DD               |
| 6.3       | ED               |
| 8 · 10    | PD               |
| 12.5 ~ 18 | HD               |

额定纹波电流的  
修正系数



■尺寸表

φD×L (mm)

| (μF)<br>额定静电容量 | V(编码)<br>品号编码 | 6.3 (0J)  |         | 10 (1A)   |         | 16 (1C)   |         | 25 (1E)   |         | 35 (1V)   |         |
|----------------|---------------|-----------|---------|-----------|---------|-----------|---------|-----------|---------|-----------|---------|
|                |               | —         | 6       | —         | 6       | —         | 6       | —         | 6       | —         | 6       |
| 22             | 220           |           |         |           |         |           |         |           |         | 5×11      |         |
| 27             | 270           |           |         |           |         |           |         |           |         | 5×11      |         |
| 33             | 330           |           |         |           |         |           |         | 5×11      |         | 6.3×11    |         |
| 39             | 390           |           |         |           |         |           |         | 5×11      |         | 6.3×11    |         |
| 47             | 470           |           |         |           |         | 5×11      |         | 6.3×11    |         | 6.3×11    |         |
| 56             | 560           |           |         |           |         | 5×11      |         | 6.3×11    |         | 6.3×11    |         |
| 68             | 680           |           |         | 5×11      |         | 6.3×11    |         | 6.3×11    |         | 6.3×15    |         |
| 82             | 820           |           |         | 5×11      |         | 6.3×11    |         | 6.3×11    |         | 6.3×15    |         |
| 100            | 101           | 5×11      |         | 6.3×11    |         | 6.3×11    |         | 6.3×15    |         | 8×11.5    |         |
| 120            | 121           | 5×11      |         | 6.3×11    |         | 6.3×11    |         | 6.3×15    |         | 8×15      | 10×12.5 |
| 150            | 151           | 6.3×11    |         | 6.3×11    |         | 6.3×15    |         | 8×11.5    |         | 8×15      | 10×12.5 |
| 180            | 181           | 6.3×11    |         | 6.3×11    |         | 6.3×15    |         | 8×15      | 10×12.5 | 8×20      | 10×15   |
| 220            | 221           | 6.3×11    |         | 6.3×15    |         | 8×11.5    |         | 8×15      | 10×12.5 | 8×20      | 10×15   |
| 270            | 271           | 6.3×15    |         | 6.3×15    |         | 8×15      | 10×12.5 | 8×20      | 10×15   | 10×20     | 12.5×15 |
| 330            | 331           | 6.3×15    |         | 8×11.5    |         | 8×15      | 10×12.5 | 8×20      | 10×15   | 10×20     | 12.5×15 |
| 390            | 391           | 8×11.5    |         | 8×15      | 10×12.5 | 8×20      | 10×15   | 10×20     | 12.5×15 | 10×25     | 12.5×15 |
| 470            | 471           | 8×15      | 10×12.5 | 8×15      | 10×12.5 | 8×20      | 10×15   | 10×20     | 12.5×15 | 10×31.5   | 16×15   |
| 560            | 561           | 8×15      | 10×12.5 | 8×20      | 10×15   | 10×20     | 12.5×15 | 10×25     | 12.5×15 | 12.5×20   | 16×15   |
| 680            | 681           | 8×20      | 10×15   | 8×20      | 10×15   | 10×20     | 12.5×15 | 10×31.5   | 16×15   | 12.5×25   | 18×15   |
| 820            | 821           | 8×20      | 10×15   | 10×20     | 12.5×15 | 10×25     | 12.5×15 | 12.5×20   | 16×15   | 12.5×25   | 18×15   |
| 1000           | 102           | 10×20     | 12.5×15 | 10×20     | 12.5×15 | 10×31.5   | 16×15   | 12.5×25   | 18×15   | 12.5×31.5 | 16×20   |
| 1200           | 122           | 10×20     | 12.5×15 | 10×25     | 12.5×15 | 12.5×20   | 16×15   | 12.5×25   | 18×15   | 12.5×35.5 | 16×25   |
| 1500           | 152           | 10×25     | 12.5×15 | 10×31.5   | 16×15   | 12.5×25   | 18×15   | 12.5×31.5 | 16×20   | 12.5×40   | 18×20   |
| 1800           | 182           | 10×31.5   | 16×15   | 12.5×20   | 16×15   | 12.5×31.5 | 16×20   | 12.5×35.5 | 16×25   | 16×31.5   | 18×25   |
| 2200           | 222           | 10×31.5   | 16×15   | 12.5×25   | 18×15   | 12.5×31.5 | 16×20   | 12.5×40   | 18×20   | 16×35.5   | 18×31.5 |
| 2700           | 272           | 12.5×25   | 18×15   | 12.5×31.5 | 16×20   | 12.5×35.5 | 16×25   | 16×31.5   | 18×25   | 16×40     | 18×35.5 |
| 3300           | 332           | 12.5×25   | 18×15   | 12.5×35.5 | 16×20   | 12.5×40   | 18×20   | 16×35.5   | 18×31.5 | 18×40     |         |
| 3900           | 392           | 12.5×31.5 | 16×20   | 12.5×40   | 18×20   | 16×31.5   | 18×25   | 16×40     | 18×35.5 |           |         |
| 4700           | 472           | 12.5×35.5 | 18×20   | 16×31.5   | 18×25   | 16×35.5   | 18×31.5 | 18×40     |         |           |         |
| 5600           | 562           | 12.5×40   | 18×20   | 16×35.5   | 18×25   | 16×40     | 18×35.5 |           |         |           |         |
| 6800           | 682           | 16×31.5   | 18×25   | 16×35.5   | 18×31.5 | 18×35.5   |         |           |         |           |         |
| 8200           | 822           | 16×35.5   | 18×31.5 | 16×40     | 18×35.5 | 18×40     |         |           |         |           |         |
| 10000          | 103           | 16×40     | 18×31.5 | 18×40     |         |           |         |           |         |           |         |
| 12000          | 123           | 18×35.5   |         |           |         |           |         |           |         |           |         |
| 15000          | 153           | 18×40     |         |           |         |           |         |           |         |           |         |

| (μF)<br>额定静电容量 | V(编码)<br>品号编码 | 50 (1H)   |         | 63 (1J)   |         | 80 (1K)   |         | 100 (2A)  |         |
|----------------|---------------|-----------|---------|-----------|---------|-----------|---------|-----------|---------|
|                |               | —         | 6       | —         | 6       | —         | 6       | —         | 6       |
| 0.47           | R47           | 5×11      |         |           |         |           |         | 5×11      |         |
| 0.68           | R68           | 5×11      |         |           |         |           |         | 5×11      |         |
| 1              | 010           | 5×11      |         |           |         |           |         | 5×11      |         |
| 1.5            | 1R5           | 5×11      |         |           |         |           |         | 5×11      |         |
| 2.2            | 2R2           | 5×11      |         |           |         |           |         | 5×11      |         |
| 3.3            | 3R3           | 5×11      |         |           |         |           |         | 5×11      |         |
| 4.7            | 4R7           | 5×11      |         |           |         | 5×11      |         | 6.3×11    |         |
| 6.8            | 6R8           | 5×11      |         |           |         | 5×11      |         | 6.3×11    |         |
| 10             | 100           | 5×11      |         | 5×11      |         | 6.3×11    |         | 6.3×11    |         |
| 12             | 120           | 5×11      |         | 5×11      |         | 6.3×11    |         | 6.3×11    |         |
| 15             | 150           | 5×11      |         | 6.3×11    |         | 6.3×11    |         | 6.3×15    |         |
| 18             | 180           | 5×11      |         | 6.3×11    |         | 6.3×11    |         | 6.3×15    |         |
| 22             | 220           | 6.3×11    |         | 6.3×11    |         | 6.3×15    |         | 8×11.5    |         |
| 27             | 270           | 6.3×11    |         | 6.3×11    |         | 6.3×15    |         | 8×15      | 10×12.5 |
| 33             | 330           | 6.3×11    |         | 6.3×15    |         | 8×11.5    |         | 8×15      | 10×12.5 |
| 39             | 390           | 6.3×11    |         | 6.3×15    |         | 8×15      | 10×12.5 | 8×20      | 10×15   |
| 47             | 470           | 6.3×15    |         | 8×11.5    |         | 8×15      | 10×12.5 | 10×20     | 12.5×15 |
| 56             | 560           | 6.3×15    |         | 8×15      | 10×12.5 | 8×20      | 10×15   | 10×20     | 12.5×15 |
| 68             | 680           | 8×11.5    |         | 8×15      | 10×12.5 | 10×20     | 12.5×15 | 10×25     | 12.5×15 |
| 82             | 820           | 8×15      | 10×12.5 | 8×20      | 10×15   | 10×20     | 12.5×15 | 10×31.5   | 16×15   |
| 100            | 101           | 8×20      | 10×15   | 10×20     | 12.5×15 | 10×25     | 12.5×15 | 10×31.5   | 16×15   |
| 120            | 121           | 8×20      | 10×15   | 10×20     | 12.5×15 | 10×31.5   | 16×15   | 12.5×25   | 16×15   |
| 150            | 151           | 10×20     | 12.5×15 | 10×25     | 12.5×15 | 10×31.5   | 16×15   | 12.5×25   | 18×15   |
| 180            | 181           | 10×20     | 12.5×15 | 10×31.5   | 16×15   | 12.5×25   | 16×15   | 12.5×31.5 | 16×20   |
| 220            | 221           | 10×25     | 12.5×15 | 12.5×20   | 16×15   | 12.5×31.5 | 18×15   | 12.5×35.5 | 16×25   |
| 270            | 271           | 10×31.5   | 16×15   | 12.5×25   | 18×15   | 12.5×31.5 | 16×20   | 12.5×40   | 18×20   |
| 330            | 331           | 10×31.5   | 16×15   | 12.5×25   | 18×15   | 12.5×35.5 | 16×25   | 16×31.5   | 18×25   |
| 390            | 391           | 12.5×25   | 16×15   | 12.5×31.5 | 16×20   | 12.5×40   | 18×20   | 16×35.5   | 18×31.5 |
| 470            | 471           | 12.5×25   | 18×15   | 12.5×35.5 | 16×25   | 16×31.5   | 18×25   | 16×40     | 18×35.5 |
| 560            | 561           | 12.5×31.5 | 16×20   | 12.5×40   | 18×20   | 16×35.5   | 18×31.5 | 18×35.5   |         |
| 680            | 681           | 12.5×35.5 | 16×20   | 16×31.5   | 18×25   | 16×40     | 18×31.5 | 18×40     |         |
| 820            | 821           | 12.5×40   | 18×20   | 16×35.5   | 18×31.5 | 18×35.5   |         |           |         |
| 1000           | 102           | 16×31.5   | 18×25   | 16×40     | 18×35.5 | 18×40     |         |           |         |
| 1200           | 122           | 16×35.5   | 18×31.5 | 18×40     |         |           |         |           |         |
| 1500           | 152           | 16×40     | 18×31.5 |           |         |           |         |           |         |
| 1800           | 182           | 18×35.5   |         |           |         |           |         |           |         |
| 2200           | 222           | 18×40     |         |           |         |           |         |           |         |

※ 低矮品号编码末位数 (第12位) 的尺寸编码为 [6]

■标准品一览表

| <div><div>V(编码)<br/>尺寸编码</div><div>项目</div><div>(μF)<br/>额定静电容量</div><div>品号编码</div></div> |     | 6.3 (0J)             |               |                |                                |               |                      |               |                |                                |               |
|--------------------------------------------------------------------------------------------|-----|----------------------|---------------|----------------|--------------------------------|---------------|----------------------|---------------|----------------|--------------------------------|---------------|
|                                                                                            |     | —                    |               |                |                                |               | 6                    |               |                |                                |               |
|                                                                                            |     | 铝壳尺寸<br>φD×L<br>(mm) | 电阻 (Ω MAX)    |                | 额定纹波电流 (mA rms)                |               | 铝壳尺寸<br>φD×L<br>(mm) | 电阻 (Ω MAX)    |                | 额定纹波电流 (mA rms)                |               |
|                                                                                            |     |                      | 20°C / 100kHz | -10°C / 100kHz | 105°C / $\frac{10kHz}{200kHz}$ | 105°C / 120Hz |                      | 20°C / 100kHz | -10°C / 100kHz | 105°C / $\frac{10kHz}{200kHz}$ | 105°C / 120Hz |
| 100                                                                                        | 101 | 5 × 11               | 0.85          | 1.70           | 150                            | 99            |                      |               |                |                                |               |
| 120                                                                                        | 121 | 5 × 11               | 0.65          | 1.30           | 175                            | 115           |                      |               |                |                                |               |
| 150                                                                                        | 151 | 6.3 × 11             | 0.49          | 0.98           | 225                            | 155           |                      |               |                |                                |               |
| 180                                                                                        | 181 | 6.3 × 11             | 0.39          | 0.78           | 250                            | 175           |                      |               |                |                                |               |
| 220                                                                                        | 221 | 6.3 × 11             | 0.30          | 0.60           | 285                            | 205           |                      |               |                |                                |               |
| 270                                                                                        | 271 | 6.3 × 15             | 0.24          | 0.48           | 370                            | 275           |                      |               |                |                                |               |
| 330                                                                                        | 331 | 6.3 × 15             | 0.20          | 0.40           | 405                            | 310           |                      |               |                |                                |               |
| 390                                                                                        | 391 | 8 × 11.5             | 0.17          | 0.34           | 445                            | 345           |                      |               |                |                                |               |
| 470                                                                                        | 471 | 8 × 15               | 0.14          | 0.28           | 550                            | 435           | 10 × 12.5            | 0.14          | 0.28           | 635                            | 455           |
| 560                                                                                        | 561 | 8 × 15               | 0.12          | 0.24           | 595                            | 480           | 10 × 12.5            | 0.13          | 0.26           | 600                            | 485           |
| 680                                                                                        | 681 | 8 × 20               | 0.10          | 0.20           | 730                            | 605           | 10 × 15              | 0.11          | 0.22           | 825                            | 580           |
| 820                                                                                        | 821 | 8 × 20               | 0.085         | 0.17           | 795                            | 670           | 10 × 15              | 0.095         | 0.19           | 825                            | 635           |
| 1000                                                                                       | 102 | 10 × 20              | 0.075         | 0.15           | 950                            | 820           | 12.5 × 15            | 0.085         | 0.17           | 890                            | 765           |
| 1200                                                                                       | 122 | 10 × 20              | 0.065         | 0.13           | 1060                           | 895           | 12.5 × 15            | 0.075         | 0.15           | 950                            | 835           |
| 1500                                                                                       | 152 | 10 × 25              | 0.055         | 0.11           | 1260                           | 1090          | 12.5 × 15            | 0.065         | 0.13           | 1020                           | 915           |
| 1800                                                                                       | 182 | 10 × 31.5            | 0.050         | 0.10           | 1370                           | 1230          | 16 × 15              | 0.055         | 0.11           | 1270                           | 1140          |
| 2200                                                                                       | 222 | 10 × 31.5            | 0.043         | 0.086          | 1470                           | 1320          | 16 × 15              | 0.049         | 0.098          | 1340                           | 1200          |
| 2700                                                                                       | 272 | 12.5 × 25            | 0.038         | 0.076          | 1700                           | 1430          | 18 × 15              | 0.044         | 0.088          | 1500                           | 1350          |
| 3300                                                                                       | 332 | 12.5 × 25            | 0.034         | 0.068          | 1710                           | 1530          | 18 × 15              | 0.039         | 0.078          | 1600                           | 1440          |
| 3900                                                                                       | 392 | 12.5 × 31.5          | 0.031         | 0.062          | 1980                           | 1710          | 16 × 20              | 0.036         | 0.072          | 1770                           | 1540          |
| 4700                                                                                       | 472 | 12.5 × 35.5          | 0.028         | 0.056          | 2230                           | 1890          | 18 × 20              | 0.032         | 0.064          | 1920                           | 1720          |
| 5600                                                                                       | 562 | 12.5 × 40            | 0.026         | 0.052          | 2460                           | 2040          | 18 × 20              | 0.030         | 0.060          | 1980                           | 1780          |
| 6800                                                                                       | 682 | 16 × 31.5            | 0.024         | 0.048          | 2510                           | 2130          | 18 × 25              | 0.027         | 0.054          | 2350                           | 1980          |
| 8200                                                                                       | 822 | 16 × 35.5            | 0.022         | 0.044          | 2770                           | 2290          | 18 × 31.5            | 0.025         | 0.050          | 2390                           | 2150          |
| 10000                                                                                      | 103 | 16 × 40              | 0.020         | 0.040          | 3110                           | 2470          | 18 × 31.5            | 0.023         | 0.046          | 2720                           | 2240          |
| 12000                                                                                      | 123 | 18 × 35.5            | 0.019         | 0.038          | 3050                           | 2530          |                      |               |                |                                |               |
| 15000                                                                                      | 153 | 18 × 40              | 0.018         | 0.036          | 3300                           | 2660          |                      |               |                |                                |               |

| <div><div>V(编码)<br/>尺寸编码</div><div>项目</div><div>(μF)<br/>额定静电容量</div><div>品号编码</div></div> |     | 10 (1A)              |               |                |                                |               |                      |               |                |                                |               |
|--------------------------------------------------------------------------------------------|-----|----------------------|---------------|----------------|--------------------------------|---------------|----------------------|---------------|----------------|--------------------------------|---------------|
|                                                                                            |     | —                    |               |                |                                |               | 6                    |               |                |                                |               |
|                                                                                            |     | 铝壳尺寸<br>φD×L<br>(mm) | 电阻 (Ω MAX)    |                | 额定纹波电流 (mA rms)                |               | 铝壳尺寸<br>φD×L<br>(mm) | 电阻 (Ω MAX)    |                | 额定纹波电流 (mA rms)                |               |
|                                                                                            |     |                      | 20°C / 100kHz | -10°C / 100kHz | 105°C / $\frac{10kHz}{200kHz}$ | 105°C / 120Hz |                      | 20°C / 100kHz | -10°C / 100kHz | 105°C / $\frac{10kHz}{200kHz}$ | 105°C / 120Hz |
| 68                                                                                         | 680 | 5 × 11               | 0.80          | 1.60           | 155                            | 97            |                      |               |                |                                |               |
| 82                                                                                         | 820 | 5 × 11               | 0.65          | 1.30           | 175                            | 110           |                      |               |                |                                |               |
| 100                                                                                        | 101 | 6.3 × 11             | 0.55          | 1.10           | 210                            | 135           |                      |               |                |                                |               |
| 120                                                                                        | 121 | 6.3 × 11             | 0.44          | 0.88           | 235                            | 160           |                      |               |                |                                |               |
| 150                                                                                        | 151 | 6.3 × 11             | 0.35          | 0.70           | 265                            | 185           |                      |               |                |                                |               |
| 180                                                                                        | 181 | 6.3 × 11             | 0.29          | 0.58           | 290                            | 205           |                      |               |                |                                |               |
| 220                                                                                        | 221 | 6.3 × 15             | 0.24          | 0.48           | 370                            | 270           |                      |               |                |                                |               |
| 270                                                                                        | 271 | 6.3 × 15             | 0.20          | 0.40           | 405                            | 300           |                      |               |                |                                |               |
| 330                                                                                        | 331 | 8 × 11.5             | 0.16          | 0.32           | 460                            | 350           |                      |               |                |                                |               |
| 390                                                                                        | 391 | 8 × 15               | 0.14          | 0.28           | 550                            | 430           | 10 × 12.5            | 0.15          | 0.30           | 625                            | 430           |
| 470                                                                                        | 471 | 8 × 15               | 0.12          | 0.24           | 595                            | 475           | 10 × 12.5            | 0.13          | 0.26           | 600                            | 475           |
| 560                                                                                        | 561 | 8 × 20               | 0.10          | 0.20           | 730                            | 590           | 10 × 15              | 0.11          | 0.22           | 700                            | 565           |
| 680                                                                                        | 681 | 8 × 20               | 0.085         | 0.17           | 795                            | 660           | 10 × 15              | 0.090         | 0.18           | 825                            | 635           |
| 820                                                                                        | 821 | 10 × 20              | 0.070         | 0.14           | 985                            | 835           | 12.5 × 15            | 0.080         | 0.16           | 920                            | 780           |
| 1000                                                                                       | 102 | 10 × 20              | 0.060         | 0.12           | 1060                           | 915           | 12.5 × 15            | 0.065         | 0.13           | 1040                           | 895           |
| 1200                                                                                       | 122 | 10 × 25              | 0.050         | 0.10           | 1260                           | 1120          | 12.5 × 15            | 0.060         | 0.12           | 1060                           | 930           |
| 1500                                                                                       | 152 | 10 × 31.5            | 0.045         | 0.090          | 1450                           | 1290          | 16 × 15              | 0.050         | 0.10           | 1330                           | 1190          |
| 1800                                                                                       | 182 | 12.5 × 20            | 0.039         | 0.078          | 1470                           | 1320          | 16 × 15              | 0.044         | 0.088          | 1420                           | 1270          |
| 2200                                                                                       | 222 | 12.5 × 25            | 0.034         | 0.068          | 1710                           | 1530          | 18 × 15              | 0.039         | 0.078          | 1600                           | 1440          |
| 2700                                                                                       | 272 | 12.5 × 31.5          | 0.030         | 0.060          | 1980                           | 1740          | 16 × 20              | 0.035         | 0.070          | 1740                           | 1560          |
| 3300                                                                                       | 332 | 12.5 × 35.5          | 0.026         | 0.052          | 2230                           | 1960          | 16 × 20              | 0.031         | 0.062          | 1850                           | 1660          |
| 3900                                                                                       | 392 | 12.5 × 40            | 0.024         | 0.048          | 2460                           | 2120          | 18 × 20              | 0.028         | 0.056          | 2050                           | 1840          |
| 4700                                                                                       | 472 | 16 × 31.5            | 0.023         | 0.046          | 2420                           | 2170          | 18 × 25              | 0.026         | 0.052          | 2350                           | 2020          |
| 5600                                                                                       | 562 | 16 × 35.5            | 0.021         | 0.042          | 2610                           | 2340          | 18 × 25              | 0.024         | 0.048          | 2340                           | 2100          |
| 6800                                                                                       | 682 | 16 × 35.5            | 0.020         | 0.040          | 2770                           | 2410          | 18 × 31.5            | 0.022         | 0.044          | 2720                           | 2280          |
| 8200                                                                                       | 822 | 16 × 40              | 0.019         | 0.038          | 3110                           | 2530          | 18 × 35.5            | 0.021         | 0.042          | 3050                           | 2420          |
| 10000                                                                                      | 103 | 18 × 40              | 0.017         | 0.034          | 3300                           | 2730          |                      |               |                |                                |               |

※ 低矮品品号编码末位数 (第12 位) 的尺寸编码为□

■标准品一览表

| v(编码)<br>尺寸编码<br>(μF)<br>品号编码<br>额定静电容量 |     | 16 (1C)              |               |                |                                |               |                      |               |                |                                |               |
|-----------------------------------------|-----|----------------------|---------------|----------------|--------------------------------|---------------|----------------------|---------------|----------------|--------------------------------|---------------|
|                                         |     | —                    |               |                |                                |               | 6                    |               |                |                                |               |
|                                         |     | 铝壳尺寸<br>ΦD×L<br>(mm) | 电阻 (Ω MAX)    |                | 额定纹波电流 (mA rms)                |               | 铝壳尺寸<br>ΦD×L<br>(mm) | 电阻 (Ω MAX)    |                | 额定纹波电流 (mA rms)                |               |
|                                         |     |                      | 20°C / 100kHz | −10°C / 100kHz | 105°C / $\frac{10kHz}{200kHz}$ | 105°C / 120Hz |                      | 20°C / 100kHz | −10°C / 100kHz | 105°C / $\frac{10kHz}{200kHz}$ | 105°C / 120Hz |
| 47                                      | 470 | 5×11                 | 0.80          | 1.60           | 155                            | 92            |                      |               |                |                                |               |
| 56                                      | 560 | 5×11                 | 0.65          | 1.30           | 175                            | 105           |                      |               |                |                                |               |
| 68                                      | 680 | 6.3×11               | 0.50          | 1.00           | 220                            | 135           |                      |               |                |                                |               |
| 82                                      | 820 | 6.3×11               | 0.42          | 0.84           | 240                            | 155           |                      |               |                |                                |               |
| 100                                     | 101 | 6.3×11               | 0.35          | 0.70           | 265                            | 175           |                      |               |                |                                |               |
| 120                                     | 121 | 6.3×11               | 0.29          | 0.58           | 290                            | 195           |                      |               |                |                                |               |
| 150                                     | 151 | 6.3×15               | 0.23          | 0.46           | 375                            | 260           |                      |               |                |                                |               |
| 180                                     | 181 | 6.3×15               | 0.20          | 0.40           | 405                            | 285           |                      |               |                |                                |               |
| 220                                     | 221 | 8×11.5               | 0.16          | 0.32           | 460                            | 335           |                      |               |                |                                |               |
| 270                                     | 271 | 8×15                 | 0.14          | 0.28           | 550                            | 410           | 10×12.5              | 0.14          | 0.28           | 625                            | 430           |
| 330                                     | 331 | 8×15                 | 0.12          | 0.24           | 595                            | 455           | 10×12.5              | 0.12          | 0.24           | 625                            | 480           |
| 390                                     | 391 | 8×20                 | 0.10          | 0.20           | 730                            | 570           | 10×15                | 0.10          | 0.20           | 730                            | 570           |
| 470                                     | 471 | 8×20                 | 0.090         | 0.18           | 770                            | 615           | 10×15                | 0.090         | 0.18           | 825                            | 615           |
| 560                                     | 561 | 10×20                | 0.075         | 0.15           | 950                            | 770           | 12.5×15              | 0.080         | 0.16           | 920                            | 745           |
| 680                                     | 681 | 10×20                | 0.065         | 0.13           | 1060                           | 845           | 12.5×15              | 0.070         | 0.14           | 985                            | 815           |
| 820                                     | 821 | 10×25                | 0.055         | 0.11           | 1260                           | 1030          | 12.5×15              | 0.060         | 0.12           | 1060                           | 895           |
| 1000                                    | 102 | 10×31.5              | 0.047         | 0.094          | 1410                           | 1210          | 16×15                | 0.055         | 0.11           | 1270                           | 1090          |
| 1200                                    | 122 | 12.5×20              | 0.041         | 0.082          | 1430                           | 1250          | 16×15                | 0.046         | 0.092          | 1390                           | 1220          |
| 1500                                    | 152 | 12.5×25              | 0.036         | 0.072          | 1700                           | 1490          | 18×15                | 0.041         | 0.082          | 1560                           | 1400          |
| 1800                                    | 182 | 12.5×31.5            | 0.032         | 0.064          | 1880                           | 1690          | 16×20                | 0.037         | 0.074          | 1700                           | 1530          |
| 2200                                    | 222 | 12.5×31.5            | 0.028         | 0.056          | 2010                           | 1800          | 16×20                | 0.033         | 0.066          | 1800                           | 1620          |
| 2700                                    | 272 | 12.5×35.5            | 0.025         | 0.050          | 2230                           | 1990          | 16×25                | 0.030         | 0.060          | 2190                           | 1800          |
| 3300                                    | 332 | 12.5×40              | 0.023         | 0.046          | 2460                           | 2160          | 18×20                | 0.027         | 0.054          | 2090                           | 1880          |
| 3900                                    | 392 | 16×31.5              | 0.022         | 0.044          | 2510                           | 2220          | 18×25                | 0.025         | 0.050          | 2350                           | 2060          |
| 4700                                    | 472 | 16×35.5              | 0.020         | 0.040          | 2680                           | 2410          | 18×31.5              | 0.023         | 0.046          | 2720                           | 2240          |
| 5600                                    | 562 | 16×40                | 0.019         | 0.038          | 3110                           | 2530          | 18×35.5              | 0.022         | 0.044          | 2620                           | 2350          |
| 6800                                    | 682 | 18×35.5              | 0.018         | 0.036          | 3050                           | 2610          |                      |               |                |                                |               |
| 8200                                    | 822 | 18×40                | 0.017         | 0.034          | 3300                           | 2730          |                      |               |                |                                |               |

| (μF)<br>额定静电容量 | v(编码)<br>尺寸编码<br>品号/编码 | 25 (1E)                    |               |                |                                         |               |                      |               |                |                                         |               |
|----------------|------------------------|----------------------------|---------------|----------------|-----------------------------------------|---------------|----------------------|---------------|----------------|-----------------------------------------|---------------|
|                |                        | 项目<br>铝壳尺寸<br>φD×L<br>(mm) | —             |                |                                         |               | 铝壳尺寸<br>φD×L<br>(mm) | 6             |                |                                         |               |
|                |                        |                            | 电阻 (Ω MAX)    |                | 额定纹波电流(mA rms)                          |               |                      | 电阻 (Ω MAX)    |                | 额定纹波电流 (mA rms)                         |               |
|                |                        |                            | 20°C / 100kHz | −10°C / 100kHz | 105°C /<br><sup>10kHz</sup> ~<br>200kHz | 105°C / 120Hz |                      | 20°C / 100kHz | −10°C / 100kHz | 105°C /<br><sup>10kHz</sup> ~<br>200kHz | 105°C / 120Hz |
| 33             | 330                    | 5×11                       | 0.80          | 1.60           | 155                                     | 88            |                      |               |                |                                         |               |
| 39             | 390                    | 5×11                       | 0.65          | 1.30           | 175                                     | 100           |                      |               |                |                                         |               |
| 47             | 470                    | 6.3×11                     | 0.55          | 1.10           | 210                                     | 125           |                      |               |                |                                         |               |
| 56             | 560                    | 6.3×11                     | 0.44          | 0.88           | 235                                     | 140           |                      |               |                |                                         |               |
| 68             | 680                    | 6.3×11                     | 0.36          | 0.72           | 260                                     | 160           |                      |               |                |                                         |               |
| 82             | 820                    | 6.3×11                     | 0.30          | 0.60           | 285                                     | 180           |                      |               |                |                                         |               |
| 100            | 101                    | 6.3×15                     | 0.24          | 0.48           | 370                                     | 245           |                      |               |                |                                         |               |
| 120            | 121                    | 6.3×15                     | 0.20          | 0.40           | 405                                     | 275           |                      |               |                |                                         |               |
| 150            | 151                    | 8×11.5                     | 0.16          | 0.32           | 460                                     | 320           |                      |               |                |                                         |               |
| 180            | 181                    | 8×15                       | 0.14          | 0.28           | 550                                     | 390           | 10×12.5              | 0.15          | 0.30           | 625                                     | 395           |
| 220            | 221                    | 8×15                       | 0.11          | 0.22           | 625                                     | 455           | 10×12.5              | 0.13          | 0.26           | 600                                     | 435           |
| 270            | 271                    | 8×20                       | 0.095         | 0.19           | 750                                     | 560           | 10×15                | 0.11          | 0.22           | 700                                     | 525           |
| 330            | 331                    | 8×20                       | 0.085         | 0.17           | 795                                     | 610           | 10×15                | 0.095         | 0.19           | 825                                     | 575           |
| 390            | 391                    | 10×20                      | 0.070         | 0.14           | 985                                     | 770           | 12.5×15              | 0.080         | 0.16           | 920                                     | 720           |
| 470            | 471                    | 10×20                      | 0.065         | 0.13           | 1060                                    | 810           | 12.5×15              | 0.070         | 0.14           | 985                                     | 785           |
| 560            | 561                    | 10×25                      | 0.055         | 0.11           | 1260                                    | 990           | 12.5×15              | 0.060         | 0.12           | 1060                                    | 860           |
| 680            | 681                    | 10×31.5                    | 0.046         | 0.092          | 1420                                    | 1180          | 16×15                | 0.055         | 0.11           | 1270                                    | 1050          |
| 820            | 821                    | 12.5×20                    | 0.041         | 0.082          | 1440                                    | 1210          | 16×15                | 0.049         | 0.098          | 1340                                    | 1130          |
| 1000           | 102                    | 12.5×25                    | 0.036         | 0.072          | 1700                                    | 1430          | 18×15                | 0.043         | 0.086          | 1520                                    | 1310          |
| 1200           | 122                    | 12.5×25                    | 0.032         | 0.064          | 1760                                    | 1550          | 18×15                | 0.039         | 0.078          | 1600                                    | 1400          |
| 1500           | 152                    | 12.5×31.5                  | 0.029         | 0.058          | 1980                                    | 1780          | 16×20                | 0.034         | 0.068          | 1770                                    | 1590          |
| 1800           | 182                    | 12.5×35.5                  | 0.026         | 0.052          | 2230                                    | 1960          | 16×25                | 0.031         | 0.062          | 2190                                    | 1780          |
| 2200           | 222                    | 12.5×40                    | 0.024         | 0.048          | 2460                                    | 2120          | 18×20                | 0.028         | 0.056          | 2050                                    | 1840          |
| 2700           | 272                    | 16×31.5                    | 0.022         | 0.044          | 2510                                    | 2220          | 18×25                | 0.025         | 0.050          | 2350                                    | 2060          |
| 3300           | 332                    | 16×35.5                    | 0.020         | 0.040          | 2770                                    | 2410          | 18×31.5              | 0.023         | 0.046          | 2720                                    | 2240          |
| 3900           | 392                    | 16×40                      | 0.019         | 0.038          | 3110                                    | 2530          | 18×35.5              | 0.021         | 0.042          | 3050                                    | 2420          |
| 4700           | 472                    | 18×40                      | 0.018         | 0.036          | 3300                                    | 2660          |                      |               |                |                                         |               |

※ 低矮品品号编码末位数 (第12位) 的尺寸编码为 6

| V(编码)<br>尺寸编码<br><br>(μF)<br>品号编码<br>额定静电容量 |     | 35 (1V)                |               |                |                                              |               |                        |               |                |                                              |               |
|---------------------------------------------|-----|------------------------|---------------|----------------|----------------------------------------------|---------------|------------------------|---------------|----------------|----------------------------------------------|---------------|
|                                             |     | —                      |               |                |                                              |               | 6                      |               |                |                                              |               |
|                                             |     | 铝壳尺寸<br>ΦD × L<br>(mm) | 电阻 (Ω MAX.)   |                | 额定纹波电流 (mA rms)                              |               | 铝壳尺寸<br>ΦD × L<br>(mm) | 电阻 (Ω MAX.)   |                | 额定纹波电流 (mA rms)                              |               |
|                                             |     |                        | 20°C / 100kHz | −10°C / 100kHz | 105°C / $\frac{10\text{kHz}}{200\text{kHz}}$ | 105°C / 120Hz |                        | 20°C / 100kHz | −10°C / 100kHz | 105°C / $\frac{10\text{kHz}}{200\text{kHz}}$ | 105°C / 120Hz |
| 22                                          | 220 | 5 × 11                 | 0.75          | 1.50           | 160                                          | 85            |                        |               |                |                                              |               |
| 27                                          | 270 | 5 × 11                 | 0.60          | 1.20           | 180                                          | 99            |                        |               |                |                                              |               |
| 33                                          | 330 | 6.3 × 11               | 0.49          | 0.98           | 225                                          | 125           |                        |               |                |                                              |               |
| 39                                          | 390 | 6.3 × 11               | 0.41          | 0.82           | 245                                          | 140           |                        |               |                |                                              |               |
| 47                                          | 470 | 6.3 × 11               | 0.34          | 0.68           | 270                                          | 160           |                        |               |                |                                              |               |
| 56                                          | 560 | 6.3 × 11               | 0.28          | 0.56           | 295                                          | 180           |                        |               |                |                                              |               |
| 68                                          | 680 | 6.3 × 15               | 0.24          | 0.48           | 370                                          | 230           |                        |               |                |                                              |               |
| 82                                          | 820 | 6.3 × 15               | 0.19          | 0.38           | 415                                          | 265           |                        |               |                |                                              |               |
| 100                                         | 101 | 8 × 11.5               | 0.16          | 0.32           | 460                                          | 305           |                        |               |                |                                              |               |
| 120                                         | 121 | 8 × 15                 | 0.14          | 0.28           | 550                                          | 370           | 10 × 12.5              | 0.15          | 0.30           | 625                                          | 375           |
| 150                                         | 151 | 8 × 15                 | 0.12          | 0.24           | 595                                          | 415           | 10 × 12.5              | 0.12          | 0.24           | 625                                          | 435           |
| 180                                         | 181 | 8 × 20                 | 0.10          | 0.20           | 730                                          | 520           | 10 × 15                | 0.11          | 0.22           | 700                                          | 500           |
| 220                                         | 221 | 8 × 20                 | 0.085         | 0.17           | 795                                          | 580           | 10 × 15                | 0.090         | 0.18           | 825                                          | 560           |
| 270                                         | 271 | 10 × 20                | 0.070         | 0.14           | 985                                          | 735           | 12.5 × 15              | 0.080         | 0.16           | 920                                          | 690           |
| 330                                         | 331 | 10 × 20                | 0.060         | 0.12           | 1060                                         | 810           | 12.5 × 15              | 0.065         | 0.13           | 1020                                         | 780           |
| 390                                         | 391 | 10 × 25                | 0.055         | 0.11           | 1260                                         | 955           | 12.5 × 15              | 0.060         | 0.12           | 1060                                         | 825           |
| 470                                         | 471 | 10 × 31.5              | 0.046         | 0.092          | 1450                                         | 1130          | 16 × 15                | 0.055         | 0.11           | 1270                                         | 1010          |
| 560                                         | 561 | 12.5 × 20              | 0.041         | 0.082          | 1430                                         | 1160          | 16 × 15                | 0.048         | 0.096          | 1360                                         | 1100          |
| 680                                         | 681 | 12.5 × 25              | 0.036         | 0.072          | 1700                                         | 1370          | 18 × 15                | 0.042         | 0.084          | 1540                                         | 1270          |
| 820                                         | 821 | 12.5 × 25              | 0.032         | 0.064          | 1760                                         | 1490          | 18 × 15                | 0.038         | 0.076          | 1620                                         | 1370          |
| 1000                                        | 102 | 12.5 × 31.5            | 0.029         | 0.058          | 1980                                         | 1710          | 16 × 20                | 0.034         | 0.068          | 1770                                         | 1530          |
| 1200                                        | 122 | 12.5 × 35.5            | 0.026         | 0.052          | 2230                                         | 1920          | 16 × 25                | 0.031         | 0.062          | 2190                                         | 1740          |
| 1500                                        | 152 | 12.5 × 40              | 0.024         | 0.048          | 2460                                         | 2120          | 18 × 20                | 0.028         | 0.056          | 2050                                         | 1840          |
| 1800                                        | 182 | 16 × 31.5              | 0.022         | 0.044          | 2510                                         | 2220          | 18 × 25                | 0.025         | 0.050          | 2350                                         | 2060          |
| 2200                                        | 222 | 16 × 35.5              | 0.020         | 0.040          | 2770                                         | 2410          | 18 × 31.5              | 0.023         | 0.046          | 2720                                         | 2240          |
| 2700                                        | 272 | 16 × 40                | 0.018         | 0.036          | 3110                                         | 2610          | 18 × 35.5              | 0.021         | 0.042          | 3050                                         | 2420          |
| 3300                                        | 332 | 18 × 40                | 0.017         | 0.034          | 3300                                         | 2730          |                        |               |                |                                              |               |

| (μF)<br>额定静电容量 | V(编码)<br>尺寸编码<br>品号编码 | 50 (1H)                |               |                |                             |               |                        |               |                |                             |               |
|----------------|-----------------------|------------------------|---------------|----------------|-----------------------------|---------------|------------------------|---------------|----------------|-----------------------------|---------------|
|                |                       | 铝壳尺寸<br>ΦD × L<br>(mm) | —             |                |                             |               | 铝壳尺寸<br>ΦD × L<br>(mm) | 6             |                |                             |               |
|                |                       |                        | 电阻 (Ω MAX.)   |                | 额定纹波电流 (mA rms)             |               |                        | 电阻 (Ω MAX.)   |                | 额定纹波电流 (mA rms)             |               |
|                |                       |                        | 20°C / 100kHz | −10°C / 100kHz | 105°C /<br>100kHz<br>200kHz | 105°C / 120Hz |                        | 20°C / 100kHz | −10°C / 100kHz | 105°C /<br>100kHz<br>200kHz | 105°C / 120Hz |
| 0.47           | R47                   | 5 × 11                 | 23.0          | 46.0           | 22                          | 11            |                        |               |                |                             |               |
| 0.68           | R68                   | 5 × 11                 | 16.0          | 32.0           | 28                          | 14            |                        |               |                |                             |               |
| 1              | 010                   | 5 × 11                 | 11.0          | 22.0           | 36                          | 18            |                        |               |                |                             |               |
| 1.5            | 1R5                   | 5 × 11                 | 7.50          | 15.0           | 45                          | 22            |                        |               |                |                             |               |
| 2.2            | 2R2                   | 5 × 11                 | 5.00          | 10.0           | 54                          | 27            |                        |               |                |                             |               |
| 3.3            | 3R3                   | 5 × 11                 | 3.30          | 6.60           | 66                          | 33            |                        |               |                |                             |               |
| 4.7            | 4R7                   | 5 × 11                 | 2.20          | 4.40           | 81                          | 40            |                        |               |                |                             |               |
| 6.8            | 6R8                   | 5 × 11                 | 1.80          | 3.60           | 91                          | 45            |                        |               |                |                             |               |
| 10             | 100                   | 5 × 11                 | 1.40          | 2.80           | 115                         | 57            |                        |               |                |                             |               |
| 12             | 120                   | 5 × 11                 | 1.20          | 2.40           | 125                         | 62            |                        |               |                |                             |               |
| 15             | 150                   | 5 × 11                 | 0.93          | 1.86           | 145                         | 72            |                        |               |                |                             |               |
| 18             | 180                   | 5 × 11                 | 0.80          | 1.60           | 165                         | 79            |                        |               |                |                             |               |
| 22             | 220                   | 6.3 × 11               | 0.65          | 1.30           | 195                         | 100           |                        |               |                |                             |               |
| 27             | 270                   | 6.3 × 11               | 0.53          | 1.06           | 215                         | 115           |                        |               |                |                             |               |
| 33             | 330                   | 6.3 × 11               | 0.43          | 0.86           | 240                         | 135           |                        |               |                |                             |               |
| 39             | 390                   | 6.3 × 11               | 0.36          | 0.72           | 260                         | 150           |                        |               |                |                             |               |
| 47             | 470                   | 6.3 × 15               | 0.30          | 0.60           | 330                         | 195           |                        |               |                |                             |               |
| 56             | 560                   | 6.3 × 15               | 0.25          | 0.50           | 360                         | 220           |                        |               |                |                             |               |
| 68             | 680                   | 8 × 11.5               | 0.20          | 0.40           | 415                         | 255           |                        |               |                |                             |               |
| 82             | 820                   | 8 × 15                 | 0.17          | 0.34           | 505                         | 320           | 10 × 12.5              | 0.18          | 0.36           | 510                         | 330           |
| 100            | 101                   | 8 × 20                 | 0.14          | 0.28           | 620                         | 410           | 10 × 15                | 0.16          | 0.32           | 580                         | 385           |
| 120            | 121                   | 8 × 20                 | 0.12          | 0.24           | 755                         | 455           | 10 × 15                | 0.13          | 0.26           | 755                         | 435           |
| 150            | 151                   | 10 × 20                | 0.10          | 0.20           | 820                         | 570           | 12.5 × 15              | 0.11          | 0.22           | 785                         | 545           |
| 180            | 181                   | 10 × 20                | 0.085         | 0.17           | 945                         | 635           | 12.5 × 15              | 0.095         | 0.19           | 845                         | 605           |
| 220            | 221                   | 10 × 25                | 0.075         | 0.15           | 1150                        | 760           | 12.5 × 15              | 0.080         | 0.16           | 920                         | 670           |
| 270            | 271                   | 10 × 31.5              | 0.065         | 0.13           | 1200                        | 900           | 16 × 15                | 0.070         | 0.14           | 1120                        | 840           |
| 330            | 331                   | 10 × 31.5              | 0.055         | 0.11           | 1300                        | 995           | 16 × 15                | 0.060         | 0.12           | 1210                        | 925           |
| 390            | 391                   | 12.5 × 25              | 0.048         | 0.096          | 1440                        | 1120          | 16 × 15                | 0.055         | 0.11           | 1270                        | 990           |
| 470            | 471                   | 12.5 × 25              | 0.044         | 0.088          | 1500                        | 1190          | 18 × 15                | 0.046         | 0.092          | 1470                        | 1170          |
| 560            | 561                   | 12.5 × 31.5            | 0.040         | 0.080          | 1720                        | 1360          | 16 × 20                | 0.044         | 0.088          | 1550                        | 1260          |
| 680            | 681                   | 12.5 × 35.5            | 0.036         | 0.072          | 1890                        | 1530          | 16 × 20                | 0.040         | 0.080          | 1630                        | 1350          |
| 820            | 821                   | 12.5 × 40              | 0.033         | 0.066          | 2120                        | 1700          | 18 × 20                | 0.036         | 0.072          | 1810                        | 1530          |
| 1000           | 102                   | 16 × 31.5              | 0.030         | 0.060          | 2120                        | 1830          | 18 × 25                | 0.033         | 0.066          | 2020                        | 1730          |
| 1200           | 122                   | 16 × 35.5              | 0.028         | 0.056          | 2320                        | 1990          | 18 × 31.5              | 0.031         | 0.062          | 2140                        | 1880          |
| 1500           | 152                   | 16 × 40                | 0.026         | 0.052          | 2650                        | 2170          | 18 × 31.5              | 0.029         | 0.058          | 2340                        | 1990          |
| 1800           | 182                   | 18 × 35.5              | 0.025         | 0.050          | 2620                        | 2210          |                        |               |                |                             |               |
| 2200           | 222                   | 18 × 40                | 0.024         | 0.048          | 2790                        | 2300          |                        |               |                |                             |               |

※ 低矮品号编码末位数（第12位）的尺寸编码为 ⑥

■标准品一览表

| <div><div><div>V(编码)</div><div>尺寸编码</div><div>项目</div></div><div><div>(μF)</div><div>额定静电容量</div></div><div>品号编码</div></div> |     | 63 (1J)              |               |                |                                 |               |                      |               |                |                                 |               |
|------------------------------------------------------------------------------------------------------------------------------|-----|----------------------|---------------|----------------|---------------------------------|---------------|----------------------|---------------|----------------|---------------------------------|---------------|
|                                                                                                                              |     | —                    |               |                |                                 |               | 6                    |               |                |                                 |               |
|                                                                                                                              |     | 铝壳尺寸<br>ΦD×L<br>(mm) | 电阻 (Ω MAX.)   |                | 额定纹波电流 (mA rms)                 |               | 铝壳尺寸<br>ΦD×L<br>(mm) | 电阻 (Ω MAX.)   |                | 额定纹波电流 (mA rms)                 |               |
|                                                                                                                              |     |                      | 20°C / 100kHz | -10°C / 100kHz | 105°C / <sup>10kHz</sup> 200kHz | 105°C / 120Hz |                      | 20°C / 100kHz | -10°C / 100kHz | 105°C / <sup>10kHz</sup> 200kHz | 105°C / 120Hz |
| 10                                                                                                                           | 100 | 5×11                 | 1.06          | 2.12           | 135                             | 67            |                      |               |                |                                 |               |
| 12                                                                                                                           | 120 | 5×11                 | 0.93          | 1.86           | 145                             | 72            |                      |               |                |                                 |               |
| 15                                                                                                                           | 150 | 6.3×11               | 0.73          | 1.46           | 185                             | 92            |                      |               |                |                                 |               |
| 18                                                                                                                           | 180 | 6.3×11               | 0.63          | 1.26           | 195                             | 100           |                      |               |                |                                 |               |
| 22                                                                                                                           | 220 | 6.3×11               | 0.52          | 1.04           | 215                             | 110           |                      |               |                |                                 |               |
| 27                                                                                                                           | 270 | 6.3×11               | 0.43          | 0.86           | 240                             | 130           |                      |               |                |                                 |               |
| 33                                                                                                                           | 330 | 6.3×15               | 0.35          | 0.70           | 305                             | 170           |                      |               |                |                                 |               |
| 39                                                                                                                           | 390 | 6.3×15               | 0.30          | 0.60           | 330                             | 190           |                      |               |                |                                 |               |
| 47                                                                                                                           | 470 | 8×11.5               | 0.25          | 0.50           | 365                             | 215           |                      |               |                |                                 |               |
| 56                                                                                                                           | 560 | 8×15                 | 0.21          | 0.42           | 450                             | 275           | 10×12.5              | 0.23          | 0.46           | 450                             | 275           |
| 68                                                                                                                           | 680 | 8×15                 | 0.17          | 0.34           | 500                             | 315           | 10×12.5              | 0.19          | 0.38           | 495                             | 310           |
| 82                                                                                                                           | 820 | 8×20                 | 0.15          | 0.30           | 600                             | 385           | 10×15                | 0.16          | 0.32           | 580                             | 375           |
| 100                                                                                                                          | 101 | 10×20                | 0.12          | 0.24           | 750                             | 495           | 12.5×15              | 0.14          | 0.28           | 695                             | 460           |
| 120                                                                                                                          | 121 | 10×20                | 0.10          | 0.20           | 820                             | 555           | 12.5×15              | 0.12          | 0.24           | 750                             | 510           |
| 150                                                                                                                          | 151 | 10×25                | 0.090         | 0.18           | 950                             | 665           | 12.5×15              | 0.095         | 0.19           | 845                             | 590           |
| 180                                                                                                                          | 181 | 10×31.5              | 0.075         | 0.15           | 1110                            | 790           | 16×15                | 0.080         | 0.16           | 1050                            | 750           |
| 220                                                                                                                          | 221 | 12.5×20              | 0.065         | 0.13           | 1140                            | 835           | 16×15                | 0.070         | 0.14           | 1120                            | 820           |
| 270                                                                                                                          | 271 | 12.5×25              | 0.055         | 0.11           | 1340                            | 1000          | 18×15                | 0.060         | 0.12           | 1290                            | 965           |
| 330                                                                                                                          | 331 | 12.5×25              | 0.049         | 0.098          | 1420                            | 1090          | 18×15                | 0.050         | 0.10           | 1410                            | 1080          |
| 390                                                                                                                          | 391 | 12.5×31.5            | 0.043         | 0.086          | 1620                            | 1260          | 16×20                | 0.047         | 0.094          | 1500                            | 1170          |
| 470                                                                                                                          | 471 | 12.5×35.5            | 0.039         | 0.078          | 1780                            | 1420          | 16×25                | 0.042         | 0.084          | 1700                            | 1350          |
| 560                                                                                                                          | 561 | 12.5×40              | 0.035         | 0.070          | 1950                            | 1580          | 18×20                | 0.039         | 0.078          | 1730                            | 1400          |
| 680                                                                                                                          | 681 | 16×31.5              | 0.032         | 0.064          | 2050                            | 1700          | 18×25                | 0.035         | 0.070          | 1940                            | 1610          |
| 820                                                                                                                          | 821 | 16×35.5              | 0.029         | 0.058          | 2220                            | 1880          | 18×31.5              | 0.032         | 0.064          | 2110                            | 1780          |
| 1000                                                                                                                         | 102 | 16×40                | 0.027         | 0.054          | 2370                            | 2050          | 18×35.5              | 0.029         | 0.058          | 2280                            | 1970          |
| 1200                                                                                                                         | 122 | 18×40                | 0.025         | 0.050          | 2510                            | 2210          |                      |               |                |                                 |               |

| <div><div><div>V(编码)</div><div>尺寸编码</div><div>项目</div></div><div><div>(μF)</div><div>额定静电容量</div></div><div>品号编码</div></div> |     | 80 (1K)              |               |                |                                 |               |                      |               |                |                                 |               |
|------------------------------------------------------------------------------------------------------------------------------|-----|----------------------|---------------|----------------|---------------------------------|---------------|----------------------|---------------|----------------|---------------------------------|---------------|
|                                                                                                                              |     | —                    |               |                |                                 |               | 6                    |               |                |                                 |               |
|                                                                                                                              |     | 铝壳尺寸<br>ΦD×L<br>(mm) | 电阻 (Ω MAX.)   |                | 额定纹波电流 (mA rms)                 |               | 铝壳尺寸<br>ΦD×L<br>(mm) | 电阻 (Ω MAX.)   |                | 额定纹波电流 (mA rms)                 |               |
|                                                                                                                              |     |                      | 20°C / 100kHz | -10°C / 100kHz | 105°C / <sup>10kHz</sup> 200kHz | 105°C / 120Hz |                      | 20°C / 100kHz | -10°C / 100kHz | 105°C / <sup>10kHz</sup> 200kHz | 105°C / 120Hz |
| 4.7                                                                                                                          | 4R7 | 5×11                 | 4.20          | 11.00          | 53                              | 26            |                      |               |                |                                 |               |
| 6.8                                                                                                                          | 6R8 | 5×11                 | 2.60          | 7.00           | 68                              | 34            |                      |               |                |                                 |               |
| 10                                                                                                                           | 100 | 6.3×11               | 1.70          | 4.60           | 87                              | 43            |                      |               |                |                                 |               |
| 12                                                                                                                           | 120 | 6.3×11               | 1.40          | 3.80           | 96                              | 48            |                      |               |                |                                 |               |
| 15                                                                                                                           | 150 | 6.3×11               | 1.20          | 3.20           | 104                             | 52            |                      |               |                |                                 |               |
| 18                                                                                                                           | 180 | 6.3×11               | 1.00          | 2.70           | 150                             | 58            |                      |               |                |                                 |               |
| 22                                                                                                                           | 220 | 6.3×15               | 0.77          | 2.10           | 135                             | 71            |                      |               |                |                                 |               |
| 27                                                                                                                           | 270 | 6.3×15               | 0.63          | 1.70           | 220                             | 80            |                      |               |                |                                 |               |
| 33                                                                                                                           | 330 | 8×11.5               | 0.53          | 1.40           | 275                             | 132           |                      |               |                |                                 |               |
| 39                                                                                                                           | 390 | 8×15                 | 0.46          | 1.20           | 272                             | 156           | 10×12.5              | 0.49          | 1.30           | 280                             | 155           |
| 47                                                                                                                           | 470 | 8×15                 | 0.39          | 1.10           | 295                             | 175           | 10×12.5              | 0.42          | 1.10           | 293                             | 174           |
| 56                                                                                                                           | 560 | 8×20                 | 0.34          | 0.92           | 490                             | 208           | 10×15                | 0.36          | 0.97           | 337                             | 202           |
| 68                                                                                                                           | 680 | 10×20                | 0.28          | 0.76           | 426                             | 264           | 12.5×15              | 0.31          | 0.84           | 402                             | 249           |
| 82                                                                                                                           | 820 | 10×20                | 0.25          | 0.68           | 620                             | 284           | 12.5×15              | 0.27          | 0.73           | 430                             | 273           |
| 100                                                                                                                          | 101 | 10×25                | 0.21          | 0.57           | 795                             | 347           | 12.5×15              | 0.23          | 0.62           | 466                             | 308           |
| 120                                                                                                                          | 121 | 10×31.5              | 0.18          | 0.49           | 606                             | 406           | 16×15                | 0.20          | 0.54           | 663                             | 444           |
| 150                                                                                                                          | 151 | 10×31.5              | 0.15          | 0.41           | 955                             | 459           | 16×15                | 0.18          | 0.47           | 699                             | 484           |
| 180                                                                                                                          | 181 | 12.5×25              | 0.13          | 0.35           | 1040                            | 520           | 16×15                | 0.15          | 0.41           | 766                             | 543           |
| 220                                                                                                                          | 221 | 12.5×31.5            | 0.12          | 0.32           | 816                             | 595           | 18×15                | 0.13          | 0.35           | 881                             | 643           |
| 270                                                                                                                          | 271 | 12.5×31.5            | 0.10          | 0.27           | 1270                            | 667           | 16×20                | 0.11          | 0.30           | 1240                            | 742           |
| 330                                                                                                                          | 331 | 12.5×35.5            | 0.088         | 0.24           | 1450                            | 767           | 16×25                | 0.099         | 0.27           | 1440                            | 874           |
| 390                                                                                                                          | 391 | 12.5×40              | 0.078         | 0.21           | 1610                            | 822           | 18×20                | 0.089         | 0.24           | 1450                            | 908           |
| 470                                                                                                                          | 471 | 16×31.5              | 0.069         | 0.19           | 1790                            | 1150          | 18×25                | 0.080         | 0.22           | 1650                            | 1060          |
| 560                                                                                                                          | 561 | 16×35.5              | 0.062         | 0.17           | 2000                            | 1300          | 18×31.5              | 0.072         | 0.19           | 1750                            | 1210          |
| 680                                                                                                                          | 681 | 16×40                | 0.055         | 0.15           | 2200                            | 1470          | 18×31.5              | 0.065         | 0.18           | 1850                            | 1300          |
| 820                                                                                                                          | 821 | 18×35.5              | 0.049         | 0.13           | 2250                            | 1590          |                      |               |                |                                 |               |
| 1000                                                                                                                         | 102 | 18×40                | 0.044         | 0.12           | 2370                            | 1790          |                      |               |                |                                 |               |

※ 低矮品品号编码末位数 (第12位) 的尺寸编码为 ㊦

■标准品一览表

| (μF)<br>额定静电容量 | V(编码)<br>尺寸编码<br>项目<br>品号编码 | 100 (2A)               |               |                |                        |               |                        |               |                |                        |               |
|----------------|-----------------------------|------------------------|---------------|----------------|------------------------|---------------|------------------------|---------------|----------------|------------------------|---------------|
|                |                             | —                      |               |                |                        |               | 6                      |               |                |                        |               |
|                |                             | 铝壳尺寸<br>φD × L<br>(mm) | 电阻 (Ω MAX.)   |                | 额定纹波电流 (mA rms)        |               | 铝壳尺寸<br>φD × L<br>(mm) | 电阻 (Ω MAX.)   |                | 额定纹波电流 (mA rms)        |               |
|                |                             |                        | 20°C / 100kHz | −10°C / 100kHz | 105°C / 10kHz ~ 200kHz | 105°C / 120Hz |                        | 20°C / 100kHz | −10°C / 100kHz | 105°C / 10kHz ~ 200kHz | 105°C / 120Hz |
| 0.47           | R47                         | 5 × 11                 | 43.0          | 116.0          | 17                     | 8             |                        |               |                |                        |               |
| 0.68           | R68                         | 5 × 11                 | 23.0          | 62.0           | 23                     | 11            |                        |               |                |                        |               |
| 1              | 010                         | 5 × 11                 | 17.0          | 46.0           | 27                     | 13            |                        |               |                |                        |               |
| 1.5            | 1R5                         | 5 × 11                 | 10.0          | 27.0           | 35                     | 17            |                        |               |                |                        |               |
| 2.2            | 2R2                         | 5 × 11                 | 6.60          | 18.0           | 43                     | 21            |                        |               |                |                        |               |
| 3.3            | 3R3                         | 5 × 11                 | 4.10          | 11.0           | 54                     | 27            |                        |               |                |                        |               |
| 4.7            | 4R7                         | 6.3 × 11               | 2.80          | 7.60           | 68                     | 34            |                        |               |                |                        |               |
| 6.8            | 6R8                         | 6.3 × 11               | 1.90          | 5.10           | 83                     | 41            |                        |               |                |                        |               |
| 10             | 100                         | 6.3 × 11               | 1.20          | 3.20           | 104                    | 52            |                        |               |                |                        |               |
| 12             | 120                         | 6.3 × 11               | 1.00          | 2.70           | 150                    | 57            |                        |               |                |                        |               |
| 15             | 150                         | 6.3 × 15               | 0.81          | 2.20           | 131                    | 65            |                        |               |                |                        |               |
| 18             | 180                         | 6.3 × 15               | 0.67          | 1.80           | 220                    | 73            |                        |               |                |                        |               |
| 22             | 220                         | 8 × 11.5               | 0.55          | 1.50           | 275                    | 122           |                        |               |                |                        |               |
| 27             | 270                         | 8 × 15                 | 0.47          | 1.30           | 269                    | 146           | 10 × 12.5              | 0.50          | 1.40           | 380                    | 145           |
| 33             | 330                         | 8 × 15                 | 0.38          | 1.00           | 360                    | 169           | 10 × 12.5              | 0.42          | 1.10           | 293                    | 166           |
| 39             | 390                         | 8 × 20                 | 0.33          | 0.89           | 490                    | 202           | 10 × 15                | 0.36          | 0.97           | 337                    | 193           |
| 47             | 470                         | 10 × 20                | 0.28          | 0.76           | 423                    | 252           | 12.5 × 15              | 0.31          | 0.84           | 402                    | 239           |
| 56             | 560                         | 10 × 20                | 0.24          | 0.65           | 620                    | 274           | 12.5 × 15              | 0.27          | 0.73           | 430                    | 258           |
| 68             | 680                         | 10 × 25                | 0.21          | 0.57           | 795                    | 326           | 12.5 × 15              | 0.23          | 0.62           | 466                    | 289           |
| 82             | 820                         | 10 × 31.5              | 0.18          | 0.49           | 606                    | 386           | 16 × 15                | 0.19          | 0.51           | 681                    | 433           |
| 100            | 101                         | 10 × 31.5              | 0.15          | 0.41           | 955                    | 438           | 16 × 15                | 0.17          | 0.46           | 719                    | 475           |
| 120            | 121                         | 12.5 × 25              | 0.13          | 0.35           | 1040                   | 519           | 16 × 15                | 0.14          | 0.38           | 793                    | 531           |
| 150            | 151                         | 12.5 × 25              | 0.11          | 0.30           | 798                    | 553           | 18 × 15                | 0.12          | 0.32           | 917                    | 635           |
| 180            | 181                         | 12.5 × 31.5            | 0.098         | 0.26           | 1270                   | 641           | 16 × 20                | 0.11          | 0.30           | 1240                   | 706           |
| 220            | 221                         | 12.5 × 35.5            | 0.087         | 0.23           | 1450                   | 730           | 16 × 25                | 0.093         | 0.25           | 1440                   | 854           |
| 270            | 271                         | 12.5 × 40              | 0.072         | 0.19           | 1610                   | 843           | 18 × 20                | 0.080         | 0.22           | 1450                   | 918           |
| 330            | 331                         | 16 × 31.5              | 0.062         | 0.17           | 1790                   | 1160          | 18 × 25                | 0.070         | 0.19           | 1650                   | 1080          |
| 390            | 391                         | 16 × 35.5              | 0.053         | 0.14           | 2000                   | 1340          | 18 × 31.5              | 0.062         | 0.17           | 1850                   | 1240          |
| 470            | 471                         | 16 × 40                | 0.047         | 0.13           | 2200                   | 1530          | 18 × 35.5              | 0.056         | 0.15           | 1970                   | 1410          |
| 560            | 561                         | 18 × 35.5              | 0.041         | 0.11           | 2250                   | 1680          |                        |               |                |                        |               |
| 680            | 681                         | 18 × 40                | 0.036         | 0.097          | 2300                   | 1910          |                        |               |                |                        |               |

※ 低矮品品号编码末位数（第12位）的尺寸编码为□

| φ D×L (mm)     |               |           |     |           |     |           |     |           |     |           |     |           |     |           |     |
|----------------|---------------|-----------|-----|-----------|-----|-----------|-----|-----------|-----|-----------|-----|-----------|-----|-----------|-----|
| (μF)<br>额定静电容量 | V(编码)<br>品号编码 | 160       |     | 200       |     | 250       |     | 315       |     | 350       |     | 400       |     | 450       |     |
|                |               | 2C        |     | 2D        |     | 2E        |     | 2F        |     | 2V        |     | 2G        |     | 2W        |     |
| 1              | 010           | 8 × 11.5  | 19  | 8 × 11.5  | 19  | 8 × 11.5  | 19  | 8 × 11.5  | 19  | 10 × 12.5 | 21  | 10 × 12.5 | 17  | 10 × 15   | 17  |
| 2.2            | 2R2           | 8 × 11.5  | 30  | 8 × 11.5  | 30  | 10 × 12.5 | 32  | 10 × 12.5 | 32  | 10 × 15   | 34  | 10 × 15   | 28  | 10 × 20   | 28  |
| 3.3            | 3R3           | 10 × 12.5 | 50  | 10 × 12.5 | 50  | 10 × 15   | 52  | 10 × 15   | 52  | 10 × 20   | 54  | 10 × 20   | 47  | 12.5 × 20 | 48  |
| 4.7            | 4R7           | 10 × 12.5 | 57  | 10 × 15   | 60  | 10 × 15   | 60  | 10 × 20   | 65  | 10 × 20   | 65  | 12.5 × 20 | 55  | 12.5 × 25 | 55  |
| 10             | 100           | 10 × 15   | 90  | 10 × 20   | 95  | 12.5 × 20 | 98  | 12.5 × 20 | 98  | 12.5 × 25 | 100 | 12.5 × 25 | 85  | 16 × 25   | 90  |
| 22             | 220           | 12.5 × 20 | 140 | 12.5 × 25 | 145 | 16 × 25   | 150 | 16 × 25   | 150 | 16 × 25   | 150 | 16 × 31.5 | 130 | 16 × 35.5 | 135 |
| 33             | 330           | 12.5 × 25 | 175 | 16 × 25   | 180 | 16 × 25   | 180 | 16 × 31.5 | 185 | 16 × 35.5 | 190 | 18 × 35.5 | 170 | 18 × 40   | 170 |
| 47             | 470           | 16 × 25   | 220 | 16 × 25   | 220 | 16 × 31.5 | 225 | 18 × 35.5 | 235 | 18 × 40   | 240 |           |     |           |     |
| 100            | 101           | 16 × 35.5 | 330 | 18 × 40   | 345 | 18 × 40   | 345 |           |     |           |     |           |     | 铝壳尺寸      | ※   |

※ 105 120Hz时的额定纹波电流(mA rms)