

# PA series

## ■ 特性 Features

- 标准品 Standard Products
- 105°C 2000Hrs

## ■ 仕様 Specification

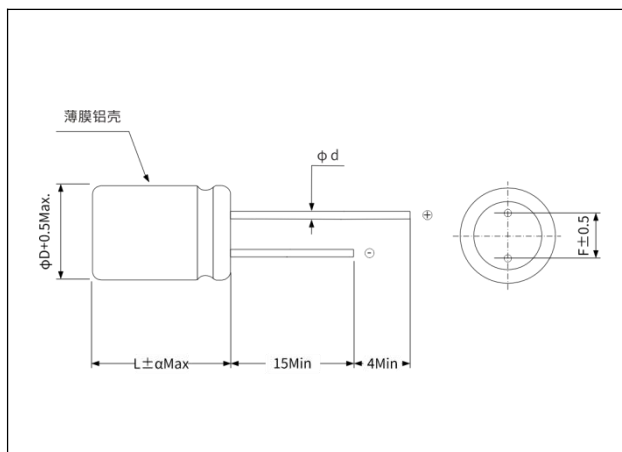


| 项目 Item                               | 条件 Condition                                                                                                                                                                                        | 性能 Performance                                                                              |
|---------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|
| 使用温度范围<br>Operating Temperature Range | -                                                                                                                                                                                                   | -55°C~+105°C                                                                                |
| 额定电压范围<br>Rated Voltage Range         | -                                                                                                                                                                                                   | 2.5~200V                                                                                    |
| 额定静电容量范围<br>Rated Capacitance Range   | -                                                                                                                                                                                                   | 4.7~4700μF                                                                                  |
| 额定静电容量容许差<br>Capacitance Tolerance    | 120Hz, 20°C                                                                                                                                                                                         | ±20%                                                                                        |
| 漏电流<br>Leakage Current(LC)            | 施加额定电压 2 分钟后<br>After applying rated voltage for 2 minutes                                                                                                                                          | $I \leq 0.2CV$ 或 $500\mu A$ (以较大值为准)<br>$I \leq 0.2CV$ or $500\mu A$ (whichever is greater) |
| 耐久性<br>Endurance                      | 在 105°C 环境下, 施加额定工作电压并叠加纹波电流, 恢复到 20°C 后, 电容器应满足如下要求<br>Under 105°C, apply rated voltage and superimpose ripple current, then return to 20°C, The capacitors shall meet the following requirements. |                                                                                             |
|                                       | 静电容量变化率<br>Capacitance Change                                                                                                                                                                       | 初始值的 ±20% 以内<br>Within ±20% of initial value                                                |
|                                       | 漏损电流<br>Leakage Current                                                                                                                                                                             | 初始规定值以内<br>Within initial specified value                                                   |
|                                       | 等效串联电阻<br>ESR                                                                                                                                                                                       | 初始标准值的 150% 以下<br>$\leq 150\%$ of initial standard value                                    |
|                                       | 损失角正切率(tan δ)<br>Dissipation Factor(tan δ)                                                                                                                                                          | 初始标准值的 150% 以下<br>$\leq 150\%$ of initial standard value                                    |
|                                       |                                                                                                                                                                                                     |                                                                                             |
| 耐湿性<br>Moisture Resistance            | 存放在 60°C, 湿度 90~95%, 1000H<br>Stored at 60°C, RH90~95%, 1000H                                                                                                                                       |                                                                                             |
|                                       | 静电容量变化率<br>Capacitance Change                                                                                                                                                                       | 初始值的 ±20% 以内<br>Within ±20% of initial value                                                |
|                                       | 漏损电流<br>Leakage Current                                                                                                                                                                             | 初始规定值以内<br>Within initial specified value                                                   |
|                                       | 等效串联电阻<br>ESR                                                                                                                                                                                       | 初始标准值的 150% 以下<br>$\leq 150\%$ of initial standard value                                    |
|                                       | 损失角正切值(tan δ)<br>Dissipation Factor(tan δ)                                                                                                                                                          | 初始标准值的 150% 以下<br>$\leq 150\%$ of initial standard value                                    |

# PA series

## ■ 尺寸图 Dimensions

(Unit:mm)

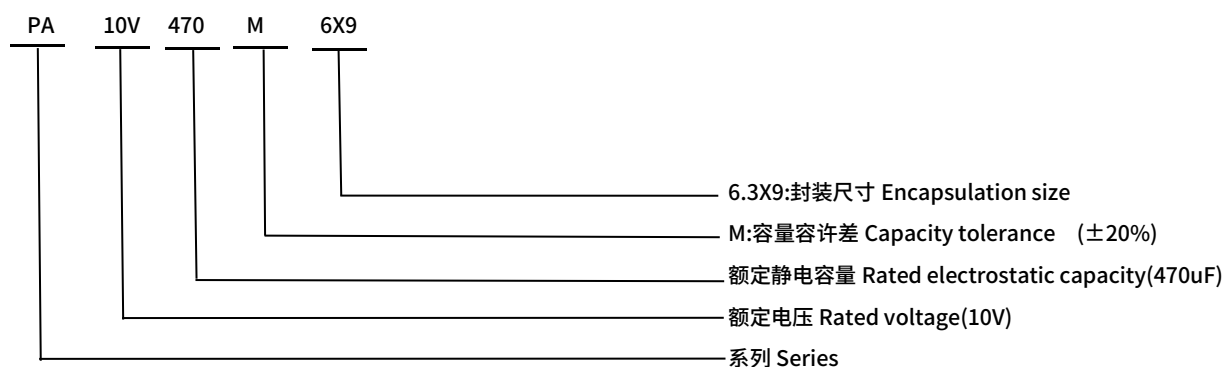


| $\phi DXL$ | $\phi D+0.5\text{ max}$ | $\alpha$ | $F \pm 0.5$ | $\phi d \pm 0.05$ |
|------------|-------------------------|----------|-------------|-------------------|
| 5X5-18     | 5                       | 1        | 2           | 0.5               |
| 5.5X5-18   | 5.5                     | 1        | 2.5         | 0.5               |
| 6.3X5-9    | 6.3                     | 1        | 2.5         | 0.5/0.6           |
| 6.3X11-20  | 6.3                     | 1        | 2.5         | 0.6               |
| 8X7P-15P   | 8                       | 1        | 2.5         | 0.6               |
| 8X7-20     | 8                       | 1        | 3.5         | 0.6               |
| 10X10-20   | 10                      | 1        | 5           | 0.6               |

## ■ 纹纹波电流速查表 Ripple Current Quick Reference Table:

| 频率 Frequency       | $120\text{Hz} \leq \text{Freq.} < 1\text{KHz}$ | $1\text{KHz} \leq \text{Freq.} < 10\text{KHz}$ | $10\text{KHz} \leq \text{Freq.} < 100\text{KHz}$ | $100\text{KHz} \leq \text{Freq.} < 300\text{KHz}$ |
|--------------------|------------------------------------------------|------------------------------------------------|--------------------------------------------------|---------------------------------------------------|
| 纹波修正系数 Coefficient | 0.05                                           | 0.3                                            | 0.7                                              | 1.0                                               |

## ■ 品号编码体系 Part Number Coding System (Example: 10V470 $\mu$ F)



注释: 型号中 R 表示小数点, 如 4R7 表示 4.7 $\mu$ F

Note: "R" in the model number denotes a decimal point (e.g., 4R7 = 4.7 $\mu$ F)

# PA series

## ■ 电气特性 Electrical Characteristics

| 额定电压<br>Rated<br>Voltage<br>(V) | 额定静电容容量<br>Rated<br>Capacitance<br>( $\mu$ F) | 漏电流<br>Leakage<br>Current<br>( $\mu$ A,2min) | 损失角正切值<br>Dissipation<br>Factor<br>(120Hz,20°C) | 等效串联电阻<br>ESR<br>(m $\Omega$ ,100KHz) | 额定纹波电流<br>Rated Ripple<br>Current<br>(mA,105°C,100KHz) | 尺寸<br>Dimensions<br>$\Phi$ DXL(mm) | 品号<br>Part Number |
|---------------------------------|-----------------------------------------------|----------------------------------------------|-------------------------------------------------|---------------------------------------|--------------------------------------------------------|------------------------------------|-------------------|
| 2.5                             | 820                                           | 500                                          | 8                                               | 16                                    | 4100                                                   | 6.3X8                              | PA2.5V820M6X8     |
|                                 | 1500                                          | 750                                          | 8                                               | 13                                    | 4500                                                   | 10X12.5                            | PA2.5V1500M10X12  |
| 6.3                             | 220                                           | 500                                          | 8                                               | 21                                    | 2690                                                   | 5X7                                | PA6.3V220M5X7     |
|                                 | 270                                           | 500                                          | 8                                               | 21                                    | 2690                                                   | 5X7                                | PA6.3V270M5X7     |
|                                 | 330                                           | 500                                          | 8                                               | 16                                    | 4100                                                   | 6.3X5                              | PA6.3V330M6X5     |
|                                 | 330                                           | 500                                          | 8                                               | 16                                    | 2690                                                   | 6.3X8                              | PA6.3V330M6X8     |
|                                 | 390                                           | 500                                          | 8                                               | 21                                    | 2690                                                   | 5X9                                | PA6.3V390M5X9     |
|                                 | 470                                           | 592.2                                        | 8                                               | 14                                    | 4100                                                   | 5.5X9                              | PA6.3V470M5X9     |
|                                 | 470                                           | 592.2                                        | 8                                               | 14                                    | 4100                                                   | 6.3X8                              | PA6.3V470M6X8     |
|                                 | 680                                           | 856.8                                        | 8                                               | 14                                    | 4500                                                   | 8X8                                | PA6.3V680M8X8     |
|                                 | 820                                           | 1000                                         | 8                                               | 14                                    | 4500                                                   | 5.5X11                             | PA6.3V820M5X11    |
|                                 | 820                                           | 1000                                         | 8                                               | 14                                    | 4100                                                   | 6.3X8                              | PA6.3V820M6X8     |
|                                 | 820                                           | 1000                                         | 8                                               | 14                                    | 4100                                                   | 6.3X9                              | PA6.3V820M6X9     |
|                                 | 820                                           | 1000                                         | 8                                               | 14                                    | 4500                                                   | 6.3X11                             | PA6.3V820M6X11    |
|                                 | 820                                           | 1000                                         | 8                                               | 14                                    | 4500                                                   | 8X8                                | PA6.3V820M8X8     |
|                                 | 1000                                          | 1000                                         | 6                                               | 14                                    | 4100                                                   | 6.3X9                              | PA6.3V1000M6X9    |
|                                 | 1000                                          | 1000                                         | 8                                               | 14                                    | 4500                                                   | 8X8                                | PA6.3V1000M8X8    |
|                                 | 1000                                          | 1000                                         | 8                                               | 12                                    | 4700                                                   | 8X11.5                             | PA6.3V1000M8X11   |
|                                 | 1200                                          | 1000                                         | 8                                               | 12                                    | 4500                                                   | 6X12                               | PA6.3V1200M6X12   |
|                                 | 1500                                          | 1000                                         | 8                                               | 12                                    | 4700                                                   | 8X11.5                             | PA6.3V1500M8X11   |
|                                 | 2000                                          | 2520                                         | 8                                               | 12                                    | 5000                                                   | 8X12                               | PA6.3V2000M8X12   |
|                                 | 2200                                          | 2520                                         | 8                                               | 12                                    | 5000                                                   | 8X15                               | PA6.3V2200M8X15   |
| 7.5                             | 470                                           | 705                                          | 8                                               | 12                                    | 4500                                                   | 6.3X12                             | PA7.5V470M6X12    |
|                                 | 560                                           | 840                                          | 8                                               | 12                                    | 4700                                                   | 8X11.5                             | PA7.5V560M8X11    |
|                                 | 560                                           | 840                                          | 8                                               | 12                                    | 4700                                                   | 8X11.5                             | PA7.5V560M8X11    |
|                                 | 820                                           | 1000                                         | 8                                               | 12                                    | 4700                                                   | 8X11.5                             | PA7.5V820M8X11    |
|                                 | 1200                                          | 1000                                         | 8                                               | 10                                    | 4900                                                   | 10X12.5                            | PA7.5V1200M10X12  |
|                                 | 2000                                          | 1000                                         | 10                                              | 10                                    | 4900                                                   | 10X12.5                            | PA7.5V2000M10X12  |
| 10                              | 100                                           | 500                                          | 8                                               | 18                                    | 2690                                                   | 5X7                                | PA10V100M5X7      |
|                                 | 220                                           | 440                                          | 6                                               | 28                                    | 2690                                                   | 6.3X5.5                            | PA10V220M6X5      |
|                                 | 330                                           | 660                                          | 8                                               | 16                                    | 4100                                                   | 6.3X8                              | PA10V330M6X8      |

# PA series

| 额定电压<br>Rated<br>Voltage<br>(V) | 额定静电容容量<br>Rated<br>Capacitance<br>( $\mu$ F) | 漏电流<br>Leakage<br>Current<br>( $\mu$ A,2min) | 损失角正切值<br>Dissipation<br>Factor<br>(120Hz,20°C) | 等效串联电阻<br>ESR<br>(m $\Omega$ ,100KHz) | 额定纹波电流<br>Rated Ripple<br>Current<br>(mA,105°C,100KHz) | 尺寸<br>Dimensions<br>$\Phi$ DXL(mm) | 品号<br>Part Number |
|---------------------------------|-----------------------------------------------|----------------------------------------------|-------------------------------------------------|---------------------------------------|--------------------------------------------------------|------------------------------------|-------------------|
| 10                              | 470                                           | 940                                          | 8                                               | 14                                    | 4100                                                   | 6.3X9                              | PA10V470M6X9      |
|                                 | 560                                           | 1000                                         | 8                                               | 14                                    | 4100                                                   | 6.3X9                              | PA10V560M6X9      |
|                                 | 680                                           | 1000                                         | 8                                               | 14                                    | 4100                                                   | 6.3X12                             | PA10V680M6X12     |
|                                 | 820                                           | 1000                                         | 8                                               | 14                                    | 4500                                                   | 8X11.5                             | PA10V820M8X11     |
|                                 | 1000                                          | 1000                                         | 8                                               | 14                                    | 4500                                                   | 8X11.5                             | PA10V1000M8X11    |
|                                 | 1500                                          | 1000                                         | 8                                               | 14                                    | 4900                                                   | 10X12.5                            | PA10V1500M10X12   |
|                                 | 2000                                          | 1000                                         | 10                                              | 14                                    | 4900                                                   | 10X12.5                            | PA10V2000M10X12   |
| 16                              | 100                                           | 320                                          | 8                                               | 30                                    | 2690                                                   | 5X7                                | PA16V100M5X7      |
|                                 | 100                                           | 500                                          | 8                                               | 30                                    | 2690                                                   | 6.3X5                              | PA16V100M6X5      |
|                                 | 100                                           | 500                                          | 8                                               | 30                                    | 2690                                                   | 6.3X8                              | PA16V100M6X8      |
|                                 | 180                                           | 576                                          | 8                                               | 30                                    | 2690                                                   | 5X9                                | PA16V180M5X9      |
|                                 | 220                                           | 704                                          | 8                                               | 20                                    | 2690                                                   | 5.5X9                              | PA16V220M5X9      |
|                                 | 220                                           | 704                                          | 8                                               | 30                                    | 2690                                                   | 6.3X5                              | PA16V220M6X5      |
|                                 | 220                                           | 704                                          | 8                                               | 20                                    | 3500                                                   | 6.3X8                              | PA16V220M6X8      |
|                                 | 220                                           | 704                                          | 8                                               | 20                                    | 4100                                                   | 8X8                                | PA16V220M8X8      |
|                                 | 270                                           | 864                                          | 8                                               | 20                                    | 2690                                                   | 5.5X9                              | PA16V270M5X9      |
|                                 | 270                                           | 864                                          | 8                                               | 20                                    | 3500                                                   | 6.3X8                              | PA16V270M6X8      |
|                                 | 270                                           | 864                                          | 8                                               | 20                                    | 4100                                                   | 8X8                                | PA16V270M8X8      |
|                                 | 330                                           | 1000                                         | 8                                               | 20                                    | 3500                                                   | 5.5X9                              | PA16V330M5X9      |
|                                 | 330                                           | 1000                                         | 8                                               | 18                                    | 3500                                                   | 5.5X11                             | PA16V330M5X11     |
|                                 | 330                                           | 1000                                         | 8                                               | 18                                    | 6100                                                   | 6.3X9                              | PA16V330M6X9      |
|                                 | 330                                           | 1000                                         | 8                                               | 18                                    | 4100                                                   | 8X7                                | PA16V330M8X7      |
|                                 | 330                                           | 1000                                         | 8                                               | 18                                    | 4100                                                   | 8X8                                | PA16V330M8X8      |
|                                 | 470                                           | 1000                                         | 8                                               | 16                                    | 4100                                                   | 5.5X11                             | PA16V470M5X11     |
|                                 | 470                                           | 1000                                         | 8                                               | 16                                    | 4100                                                   | 6.3X9                              | PA16V470M6X9      |
|                                 | 470                                           | 1000                                         | 8                                               | 16                                    | 4100                                                   | 6.3X11.5                           | PA16V470M6X11     |
|                                 | 470                                           | 1000                                         | 8                                               | 16                                    | 4500                                                   | 8X11.5                             | PA16V470M8X11     |
|                                 | 470                                           | 1000                                         | 8                                               | 14                                    | 4500                                                   | 10X12.5                            | PA16V470M10X12    |
|                                 | 560                                           | 1000                                         | 8                                               | 16                                    | 4500                                                   | 6.3X12                             | PA16V560M6X12     |
|                                 | 560                                           | 1000                                         | 8                                               | 16                                    | 4500                                                   | 8X11.5                             | PA16V560M8X11     |
|                                 | 560                                           | 1000                                         | 8                                               | 14                                    | 4100                                                   | 5.5X14                             | PA16V560M5X14     |
|                                 | 560                                           | 1000                                         | 8                                               | 16                                    | 4100                                                   | 6.3X9                              | PA16V560M6X9      |
|                                 | 680                                           | 1000                                         | 8                                               | 16                                    | 4100                                                   | 5.5X12                             | PA16V680M5X12     |
|                                 | 680                                           | 1000                                         | 8                                               | 14                                    | 4100                                                   | 5.5X14                             | PA16V680M5X14     |

# PA series

| 额定电压<br>Rated<br>Voltage<br>(V) | 额定静电容量<br>Rated<br>Capacitance<br>( $\mu$ F) | 漏电流<br>Leakage<br>Current<br>( $\mu$ A,2min) | 损失角正切值<br>Dissipation<br>Factor<br>(120Hz,20°C) | 等效串联电阻<br>ESR<br>(m $\Omega$ ,100KHz) | 额定纹波电流<br>Rated Ripple<br>Current<br>(mA,105°C,100KHz) | 尺寸<br>Dimensions<br>$\Phi$ DXL(mm) | 品号<br>Part Number |
|---------------------------------|----------------------------------------------|----------------------------------------------|-------------------------------------------------|---------------------------------------|--------------------------------------------------------|------------------------------------|-------------------|
| 16                              | 680                                          | 1000                                         | 8                                               | 16                                    | 4100                                                   | 6.3X12                             | PA16V680M6X12     |
|                                 | 680                                          | 1000                                         | 8                                               | 16                                    | 4100                                                   | 6.3X14                             | PA16V680M6X14     |
|                                 | 680                                          | 1000                                         | 8                                               | 16                                    | 4500                                                   | 8X11.5                             | PA16V680M8X11     |
|                                 | 680                                          | 1000                                         | 8                                               | 14                                    | 4700                                                   | 10X12.5                            | PA16V680M10X12    |
|                                 | 820                                          | 1000                                         | 8                                               | 16                                    | 4100                                                   | 6.3X14                             | PA16V820M6X14     |
|                                 | 820                                          | 1000                                         | 8                                               | 16                                    | 4500                                                   | 8X12.5                             | PA16V820M8X12     |
|                                 | 820                                          | 1000                                         | 8                                               | 14                                    | 4700                                                   | 10X12.5                            | PA16V820M10X12    |
|                                 | 1000                                         | 1000                                         | 8                                               | 14                                    | 4500                                                   | 6.3X14                             | PA16V1000M6X14    |
|                                 | 1000                                         | 1000                                         | 8                                               | 14                                    | 4700                                                   | 8X15                               | PA16V1000M8X15    |
|                                 | 1000                                         | 1000                                         | 8                                               | 16                                    | 4500                                                   | 8X12.5                             | PA16V1000M8X12    |
|                                 | 1000                                         | 1000                                         | 10                                              | 14                                    | 4700                                                   | 10X12.5                            | PA16V1000M10X12   |
|                                 | 1200                                         | 1000                                         | 10                                              | 14                                    | 4700                                                   | 10X12.5                            | PA16V1200M10X12   |
|                                 | 1500                                         | 1000                                         | 10                                              | 14                                    | 4700                                                   | 8X15                               | PA16V1500M8X15    |
|                                 | 1500                                         | 4500                                         | 10                                              | 14                                    | 4700                                                   | 8X17                               | PA16V1500M8X17    |
|                                 | 1500                                         | 1000                                         | 10                                              | 14                                    | 4700                                                   | 10X12.5                            | PA16V1500M10X12   |
|                                 | 1500                                         | 1000                                         | 10                                              | 14                                    | 4900                                                   | 10X15                              | PA16V1500M10X15   |
|                                 | 2200                                         | 1000                                         | 8                                               | 14                                    | 5100                                                   | 10X15                              | PA16V2200M10X15   |
|                                 | 3300                                         | 1000                                         | 12                                              | 14                                    | 5600                                                   | 10X17                              | PA16V3300M10X17   |
|                                 | 3300                                         | 1000                                         | 12                                              | 14                                    | 5600                                                   | 10X20                              | PA16V3300M10X20   |
| 25                              | 47                                           | 500                                          | 12                                              | 40                                    | 2690                                                   | 5X7                                | PA25V47M5X7       |
|                                 | 100                                          | 500                                          | 10                                              | 30                                    | 2690                                                   | 6.3X5                              | PA25V100M6X5      |
|                                 | 100                                          | 500                                          | 12                                              | 30                                    | 2690                                                   | 6.3X7                              | PA25V100M6X7      |
|                                 | 150                                          | 750                                          | 12                                              | 30                                    | 2690                                                   | 5X9                                | PA25V150M5X9      |
|                                 | 150                                          | 900                                          | 10                                              | 37.5                                  | 2000                                                   | 6.3X7                              | PA25V150M6X7      |
|                                 | 180                                          | 900                                          | 10                                              | 30                                    | 2690                                                   | 6.3X7                              | PA25V180M6X7      |
|                                 | 220                                          | 1000                                         | 10                                              | 25                                    | 2690                                                   | 5.5X9                              | PA25V220M5X9      |
|                                 | 220                                          | 1000                                         | 12                                              | 25                                    | 2900                                                   | 5.5X11                             | PA25V220M5X11     |
|                                 | 220                                          | 1000                                         | 10                                              | 25                                    | 2900                                                   | 6.3X8                              | PA25V220M6X8      |
|                                 | 270                                          | 1000                                         | 10                                              | 25                                    | 2900                                                   | 5.5X11                             | PA25V270M5X11     |
|                                 | 270                                          | 1000                                         | 10                                              | 25                                    | 2900                                                   | 6.3X8                              | PA25V270M6X8      |
|                                 | 270                                          | 1000                                         | 12                                              | 25                                    | 2900                                                   | 6.3X9                              | PA25V270M6X9      |
|                                 | 330                                          | 1000                                         | 12                                              | 25                                    | 3100                                                   | 5.5X11                             | PA25V330M5X11     |
|                                 | 330                                          | 1000                                         | 12                                              | 25                                    | 3100                                                   | 6.3X9                              | PA25V330M6X9      |
|                                 | 330                                          | 1000                                         | 12                                              | 25                                    | 3100                                                   | 6.3X12                             | PA25V330M6X12     |

# PA series

| 额定电压<br>Rated<br>Voltage<br>(V) | 额定静电容量<br>Rated<br>Capacitance<br>( $\mu$ F) | 漏电流<br>Leakage<br>Current<br>( $\mu$ A,2min) | 损失角正切值<br>Dissipation<br>Factor<br>(120Hz,20°C) | 等效串联电阻<br>ESR<br>(m $\Omega$ ,100KHz) | 额定纹波电流<br>Rated Ripple<br>Current<br>(mA,105°C,100KHz) | 尺寸<br>Dimensions<br>$\Phi$ DXL(mm) | 品号<br>Part Number |
|---------------------------------|----------------------------------------------|----------------------------------------------|-------------------------------------------------|---------------------------------------|--------------------------------------------------------|------------------------------------|-------------------|
|                                 | 330                                          | 1000                                         | 12                                              | 25                                    | 3500                                                   | 8X8                                | PA25V330M8X8      |
| 25                              | 330                                          | 1000                                         | 12                                              | 25                                    | 3500                                                   | 8X11.5                             | PA25V330M8X11     |
|                                 | 390                                          | 1000                                         | 12                                              | 25                                    | 3500                                                   | 6.3X12                             | PA25V390M6X12     |
|                                 | 470                                          | 1000                                         | 10                                              | 25                                    | 3800                                                   | 5.5X14                             | PA25V470M5X14     |
|                                 | 470                                          | 1000                                         | 10                                              | 25                                    | 3800                                                   | 6.3X12                             | PA25V470M6X12     |
|                                 | 470                                          | 1000                                         | 12                                              | 25                                    | 3800                                                   | 6.3X14                             | PA25V470M6X14     |
|                                 | 470                                          | 1000                                         | 12                                              | 25                                    | 3800                                                   | 8X11.5                             | PA25V470M8X11     |
|                                 | 470                                          | 1000                                         | 12                                              | 20                                    | 4100                                                   | 10X12.5                            | PA25V470M10X12    |
|                                 | 560                                          | 1000                                         | 10                                              | 20                                    | 3100                                                   | 5.5X16                             | PA25V560M5X16     |
|                                 | 560                                          | 1000                                         | 12                                              | 20                                    | 3900                                                   | 6.3X14                             | PA25V560M6X14     |
|                                 | 560                                          | 1000                                         | 12                                              | 20                                    | 4100                                                   | 10X12.5                            | PA25V560M10X12    |
|                                 | 680                                          | 1000                                         | 10                                              | 20                                    | 3900                                                   | 5.5X18                             | PA25V680M5X18     |
|                                 | 680                                          | 1000                                         | 12                                              | 20                                    | 3900                                                   | 6.3X14                             | PA25V680M6X14     |
|                                 | 680                                          | 1000                                         | 10                                              | 20                                    | 4100                                                   | 8X12.5                             | PA25V680M8X12     |
|                                 | 680                                          | 1000                                         | 12                                              | 16                                    | 4100                                                   | 10X12.5                            | PA25V680M10X12    |
|                                 | 820                                          | 1000                                         | 10                                              | 20                                    | 3900                                                   | 6.3X14                             | PA25V820M6X14     |
|                                 | 820                                          | 1000                                         | 12                                              | 16                                    | 4100                                                   | 8X15                               | PA25V820M8X15     |
|                                 | 820                                          | 1000                                         | 12                                              | 16                                    | 4100                                                   | 10X12.5                            | PA25V820M10X12    |
|                                 | 1000                                         | 1000                                         | 12                                              | 16                                    | 4100                                                   | 8X15                               | PA25V1000M8X15    |
|                                 | 1000                                         | 1000                                         | 10                                              | 16                                    | 4100                                                   | 10X12.5                            | PA25V1000M10X12   |
|                                 | 1500                                         | 1000                                         | 12                                              | 16                                    | 4100                                                   | 10X15                              | PA25V1500M10X15   |
|                                 | 2200                                         | 1000                                         | 10                                              | 16                                    | 4700                                                   | 10X17                              | PA25V2200M10X17   |
| 28                              | 400                                          | 1000                                         | 10                                              | 18                                    | 3800                                                   | 10X12.5                            | PA28V400M10X12    |
| 30                              | 470                                          | 1000                                         | 10                                              | 18                                    | 3800                                                   | 8X15                               | PA30V470M8X15     |
| 35                              | 10                                           | 500                                          | 10                                              | 40                                    | 2000                                                   | 5X7                                | PA35V10M5X7       |
|                                 | 22                                           | 500                                          | 10                                              | 40                                    | 2600                                                   | 6.3X8                              | PA35V22M6X8       |
|                                 | 47                                           | 500                                          | 10                                              | 40                                    | 2600                                                   | 5X7                                | PA35V47M5X7       |
|                                 | 47                                           | 500                                          | 10                                              | 40                                    | 2600                                                   | 6.3X7                              | PA35V47M6X7       |
|                                 | 100                                          | 700                                          | 10                                              | 30                                    | 2600                                                   | 5.5X9                              | PA35V100M5X9      |
|                                 | 100                                          | 700                                          | 10                                              | 28                                    | 2600                                                   | 6.3X8                              | PA35V100M6X8      |
|                                 | 100                                          | 700                                          | 10                                              | 20                                    | 2600                                                   | 6.3X9                              | PA35V100M6X9      |
|                                 | 150                                          | 1000                                         | 10                                              | 25                                    | 2900                                                   | 6.3X8                              | PA35V150M6X8      |
|                                 | 220                                          | 1000                                         | 10                                              | 16                                    | 2980                                                   | 6.3X9                              | PA35V220M6X9      |
|                                 | 220                                          | 1000                                         | 10                                              | 16                                    | 2980                                                   | 6.3X12                             | PA35V220M6X12     |

# PA series

| 额定电压<br>Rated<br>Voltage<br>(V) | 额定静电容量<br>Rated<br>Capacitance<br>( $\mu$ F) | 漏电流<br>Leakage<br>Current<br>( $\mu$ A,2min) | 损失角正切值<br>Dissipation<br>Factor<br>(120Hz,20°C) | 等效串联电阻<br>ESR<br>(m $\Omega$ ,100KHz) | 额定纹波电流<br>Rated Ripple<br>Current<br>(mA,105°C,100KHz) | 尺寸<br>Dimensions<br>$\Phi$ DXL(mm) | 品号<br>Part Number |
|---------------------------------|----------------------------------------------|----------------------------------------------|-------------------------------------------------|---------------------------------------|--------------------------------------------------------|------------------------------------|-------------------|
| 35                              | 220                                          | 1000                                         | 10                                              | 28                                    | 2900                                                   | 8X8                                | PA35V220M8X8      |
|                                 | 330                                          | 1000                                         | 10                                              | 28                                    | 3000                                                   | 6.3X14                             | PA35V330M6X14     |
|                                 | 330                                          | 1000                                         | 10                                              | 18                                    | 3800                                                   | 10X12.5                            | PA35V330M10X12    |
|                                 | 470                                          | 1000                                         | 10                                              | 16                                    | 3800                                                   | 8X15                               | PA35V470M8X15     |
|                                 | 470                                          | 1000                                         | 10                                              | 16                                    | 3800                                                   | 10X12.5                            | PA35V470M10X12    |
|                                 | 680                                          | 1000                                         | 10                                              | 16                                    | 4100                                                   | 10X15                              | PA35V680M10X15    |
|                                 | 820                                          | 1000                                         | 10                                              | 16                                    | 4100                                                   | 10X15                              | PA35V820M10X15    |
|                                 | 1000                                         | 1000                                         | 10                                              | 16                                    | 4100                                                   | 10X15                              | PA35V1000M10X15   |
|                                 | 1000                                         | 1000                                         | 10                                              | 16                                    | 4500                                                   | 10X20                              | PA35V1000M10X20   |
|                                 | 1500                                         | 1000                                         | 10                                              | 16                                    | 4500                                                   | 10X17                              | PA35V1500M10X17   |
| 50                              | 4.7                                          | 500                                          | 10                                              | 40                                    | 2600                                                   | 5X7                                | PA50V4R7M5X7      |
|                                 | 10                                           | 500                                          | 10                                              | 40                                    | 2600                                                   | 5X8                                | PA50V10M5X8       |
|                                 | 22                                           | 300                                          | 10                                              | 40                                    | 2600                                                   | 6.3X7                              | PA50V22M6X7       |
|                                 | 22                                           | 500                                          | 10                                              | 35                                    | 2600                                                   | 6.3X8                              | PA50V22M6X8       |
|                                 | 39                                           | 500                                          | 10                                              | 35                                    | 2600                                                   | 6.3X8                              | PA50V39M6X8       |
|                                 | 47                                           | 470                                          | 10                                              | 30                                    | 2600                                                   | 6.3X8                              | PA50V47M6X8       |
|                                 | 68                                           | 680                                          | 10                                              | 30                                    | 2600                                                   | 6.3X9                              | PA50V68M6X9       |
|                                 | 100                                          | 1000                                         | 10                                              | 25                                    | 2980                                                   | 6.3X12                             | PA50V100M6X12     |
|                                 | 100                                          | 1000                                         | 10                                              | 30                                    | 2900                                                   | 8X8                                | PA50V100M8X8      |
|                                 | 220                                          | 1000                                         | 10                                              | 20                                    | 3500                                                   | 10X12.5                            | PA50V220M10X12    |
|                                 | 330                                          | 1000                                         | 10                                              | 18                                    | 3800                                                   | 10X15                              | PA50V330M10X15    |
|                                 | 470                                          | 1000                                         | 10                                              | 18                                    | 4100                                                   | 10X17                              | PA50V470M10X17    |
| 63                              | 10                                           | 300                                          | 10                                              | 40                                    | 2100                                                   | 6.3X5                              | PA63V10M6X5       |
|                                 | 22                                           | 500                                          | 12                                              | 35                                    | 2600                                                   | 6.3X8                              | PA63V22M6X8       |
|                                 | 33                                           | 20.79                                        | 8                                               | 30                                    | 1000                                                   | 6.3X8                              | PA63V33M6X8       |
|                                 | 33                                           | 500                                          | 12                                              | 30                                    | 2600                                                   | 6.3X9                              | PA63V33M6X9       |
|                                 | 47                                           | 592                                          | 12                                              | 30                                    | 2600                                                   | 6.3X11                             | PA63V47M6X11      |
|                                 | 47                                           | 592.2                                        | 10                                              | 30                                    | 2600                                                   | 8X8                                | PA63V47M8X8       |
|                                 | 82                                           | 1000                                         | 12                                              | 28                                    | 2900                                                   | 8X11.5                             | PA63V82M8X11      |
|                                 | 100                                          | 1000                                         | 10                                              | 26                                    | 3100                                                   | 8X12.5                             | PA63V100M8X12     |
|                                 | 100                                          | 1000                                         | 12                                              | 20                                    | 3100                                                   | 10X12.5                            | PA63V100M10X12    |
|                                 | 220                                          | 1000                                         | 10                                              | 18                                    | 3100                                                   | 10X15                              | PA63V220M10X15    |
|                                 | 470                                          | 1000                                         | 10                                              | 20                                    | 3500                                                   | 10X17                              | PA63V470M10X17    |
| 80                              | 22                                           | 500                                          | 12                                              | 30                                    | 2900                                                   | 8X8                                | PA80V22M8X8       |

# PA series

| 额定电压<br>Rated<br>Voltage<br>(V) | 额定静容量<br>Rated<br>Capacitance<br>( $\mu$ F) | 漏电流<br>Leakage<br>Current<br>( $\mu$ A,2min) | 损失角正切值<br>Dissipation<br>Factor<br>(120Hz,20°C) | 等效串联电阻<br>ESR<br>(m $\Omega$ ,100KHz) | 额定纹波电流<br>Rated Ripple<br>Current<br>(mA,105°C,100KHz) | 尺寸<br>Dimensions<br>$\Phi$ DXL(mm) | 品号<br>Part Number |
|---------------------------------|---------------------------------------------|----------------------------------------------|-------------------------------------------------|---------------------------------------|--------------------------------------------------------|------------------------------------|-------------------|
| 100                             | 4.7                                         | 500                                          | 12                                              | 50                                    | 2600                                                   | 5X8                                | PA100V4R7M5X8     |
|                                 | 22                                          | 500                                          | 12                                              | 30                                    | 2600                                                   | 6.3X9                              | PA100V22M6X9      |
|                                 | 47                                          | 940                                          | 12                                              | 30                                    | 2900                                                   | 8X11.5                             | PA100V47M8X11     |
|                                 | 100                                         | 1000                                         | 10                                              | 40                                    | 2600                                                   | 10X12.5                            | PA100V100M10X12   |
|                                 | 150                                         | 1000                                         | 10                                              | 40                                    | 3100                                                   | 10X17                              | PA100V150M10X17   |
| 160                             | 22                                          | 704                                          | 12                                              | 130                                   | 1000                                                   | 10X13.5                            | PA160V22M10X13    |
|                                 | 33                                          | 1000                                         | 12                                              | 130                                   | 1000                                                   | 10X13                              | PA160V33M10X13    |
| 200                             | 33                                          | 880                                          | 15                                              | 150                                   | 800                                                    | 10X13                              | PA200V22M10X13    |