

STANDARD  
标准品

- Operating with wide temperature range -55~+105°C  
适用于 -55~+105° C 的宽温范围
- Load life of 2000 hours  
负荷寿命2000 小时
- Comply with the RoHS directive  
符合 RoHS 指令



SPECIFICATIONS 特性表

| Items 项目                            | Characteristics 主要特性  |  |   |   |      |      |      |       |      |         |         |         |
|-------------------------------------|---|--|---|---|------|------|------|-------|------|---------|---------|---------|
| Operation Temperature Range 使用温度范围  | 6.3~100V:-55~+105°C 160-400V:-40~+105°C 450V:-25~+105°C   |  |   |   |      |      |      |       |      |         |         |         |
| Voltage Range 额定工作电压范围              | 4 ~ 450V  |  |   |   |      |      |      |       |      |         |         |         |
| Capacitance Range 静电容量范围            | 0.1 ~ 6800 μF   |  |   |   |      |      |      |       |      |         |         |         |
| Capacitance Tolerance 静电容量允许偏差      | ±20% at 120Hz, 20°C   |  |   |   |      |      |      |       |      |         |         |         |
| Leakage Current 漏电流                 | Rated Voltage 额定工作电压  | 6.3 ~ 100V   | 160 ~ 450V  |   |      |      |      |       |      |         |         |         |
|                                     | Case size 尺寸  | Ø4~Ø10   | Ø12.5~Ø16   | Ø6.3~Ø16  |      |      |      |       |      |         |         |         |
|                                     | Time 时间   | after 2min. (application of rated voltage)<br>2 分钟后 (施加额定工作电压)   | after 2min. (application of rated voltage)<br>2 分钟后 (施加额定工作电压)  | after 5min.(application of rated voltage)<br>5 分钟后 (施加额定工作电压) |      |      |      |       |      |         |         |         |
|                                     | Leakage current 漏电流   | ≤ 0.01CV or 3 μA, whichever is greater<br>≤ 0.01CV 或 3 μA, 取较大值  | ≤ 0.03CV or 4 μA, whichever is greater<br>≤ 0.03CV 或 4 μA, 取较大值 | ≤ 0.04CV+100 μA   |      |      |      |       |      |         |         |         |
| Dissipation Factor (tan δ) 损耗角正切    | Measurement frequency 测试频率: 120Hz, Temperature 温度: 20°C   |  |   |   |      |      |      |       |      |         |         |         |
|                                     | Rated Voltage(V) 额定工作电压   | 4  | 6.3   | 10  | 16   | 25   | 35   | 50    | 63   | 100     | 160-250 | 350-450 |
|                                     | tan δ(max.) 最大损耗角正切   | Ø4~Ø10   | 0.35  | 0.30  | 0.24 | 0.20 | 0.18 | 0.16  | 0.14 | 0.14    | 0.14    | 0.20    |
| Stability at Low Temperature 低温特性   | Measurement frequency 测试频率: 120Hz   |  |   |   |      |      |      |       |      |         |         |         |
|                                     | Rated Voltage (V) 额定工作电压  | 4  | 6.3   | 10  | 16   | 25   | 35   | 50-63 | 100  | 160-250 | 350-450 |         |
|                                     | Impedance Ratio 阻抗比<br>ZT/Z20 (max.)  | Ø4~Ø10   | Z(-25°C)/Z(20°C)  | 7   | 4    | 3    | 2    | 2     | 2    | 3       | 2       | 3       |
|                                     |   |  | Z(-55°C)/Z(20°C)  | 15  | 8    | 6    | 4    | 4     | 3    | 3       | 4       | 6       |
|                                     | Ø12.5~Ø16   | Z(-25°C)/Z(20°C)   | 7   | 5   | 4    | 3    | 2    | 2     | 2    | 2       | 4       |         |
|                                     |   | Z(-55°C)/Z(20°C)   | 17  | 12  | 10   | 8    | 5    | 4     | 3    | 3       | 6       | 10      |
| Load Life 高温负荷特性                    | After 2000 hrs. application of the rated voltage at 105°C, they meet the characteristics listed below.<br>在 105°C 环境中施加额定工作电压2000 小时后, 电容器的特性符合下表的要求。                                     |  |   |   |      |      |      |       |      |         |         |         |
|                                     | Capacitance Change 静电容量变化率  | Within ±20% of initial value<br>(Within ±30% of initial value for capacitors of 10V or less)<br>初始值的 ±20% 以内 (≤10V 为初始值的 ±30%以内) |   |   |      |      |      |       |      |         |         |         |
|                                     | Dissipation Factor 损耗角正切  | 200% or less of initial specified value 不大于规范值的200%  |   |   |      |      |      |       |      |         |         |         |
|                                     | Leakage Current 漏电流   | initial specified value or less 不大于规范值   |   |   |      |      |      |       |      |         |         |         |
| Shelf Life 高温贮存特性                   | After leaving capacitors under no load at 105°C for 1000 hours, they meet the specified value for load life characteristics listed above. 在105°C 环境中无负荷放置1000 小时后, 电容器的特性符合高温负荷特性中所列的规定值。 |  |   |   |      |      |      |       |      |         |         |         |
| Resistance to Soldering Heat 耐焊接热特性 | After reflow soldering and restored at room temperature, they meet the characteristics listed below.<br>经过回流焊并冷却至室温后, 电容器的特性符合下表的要求。  |  |   |   |      |      |      |       |      |         |         |         |
|                                     | Capacitance Change 静电容量变化率  | Within ±10% of initial value 初始值的 ±10%以内   |   |   |      |      |      |       |      |         |         |         |
|                                     | Dissipation Factor 损耗角正切  | initial specified value or less 不大于规范值   |   |   |      |      |      |       |      |         |         |         |
|                                     | Leakage Current 漏电流   | initial specified value or less 不大于规范值   |   |   |      |      |      |       |      |         |         |         |
| Marking 标识                          | Black print on the case top. 铝壳顶部黑字印刷。  |  |   |   |      |      |      |       |      |         |         |         |

Diagram of Dimensions 尺寸图



ØD=4~10 适用



Ø12.5 以上适用

DIMENSIONS (Unit: mm) 尺寸表

| DXL   | 4X5.4   | 5X5.4   | 6.3X4.5 | 6.3X5.4 | 6.3X7.7 | 8X10.5   | 10X10.5  | 10X13.5  | 12.5X13.5 | 12.5X16 | 16X16.5  |
|-------|---------|---------|---------|---------|---------|----------|----------|----------|-----------|---------|----------|
| A     | 4.3     | 5.3     | 6.6     | 6.6     | 6.6     | 8.3      | 10.3     | 10.3     | 13.0      | 13.0    | 17.0     |
| B     | 4.3     | 5.3     | 6.6     | 6.6     | 6.6     | 8.3      | 10.3     | 10.3     | 13.0      | 13.0    | 17.0     |
| C     | 5.1     | 5.9     | 7.2     | 7.2     | 7.2     | 9.2      | 11.2     | 11.2     | 13.7      | 13.7    | 18.0     |
| P±0.2 | 1.0     | 1.5     | 2.0     | 2.0     | 2.0     | 3.1      | 4.4      | 4.4      | 4.4       | 4.4     | 6.4      |
| L     | 5.4±0.3 | 5.4±0.3 | 4.5±0.3 | 5.4±0.3 | 7.7±0.3 | 10.5±0.5 | 10.5±0.5 | 13.5±0.5 | 13.5±0.5  | 16±0.5  | 16.5±0.5 |



□ DRAWING (Unit: mm) 外形图



□ DIMENSIONS & MAXIMUM PERMISSIBLE RIPPLE CURRENT 规格尺寸及最大允许纹波电流

| WV<br>Code<br>μF<br>代码 | 4                        |              | 6.3                        |              | 10                                      |                     | 16  |                       | 25                       |                        |
|------------------------|--------------------------|--------------|----------------------------|--------------|---|---------------------|---|-----------------------|--------------------------|------------------------|
|                        | 0G                       |              | 0J                         |              | 1A                                      |                     | 1C  |                       | 1E                       |                        |
| 4.7<br>4R7             |                          |              |                            |              |   |                     | 4 × 5.4                                   | 13                    | 4 × 5.4                  | 14                     |
| 10<br>100              |                          |              |                            |              |   |                     | 4 × 5.4                                   | 19                    | 5 × 5.4<br>(4 × 5.4)     | 23<br>(16)             |
| 22<br>220              | 4 × 5.4                  | 20           | 4 × 5.4                    | 23           | 5 × 5.4<br>(4 × 5.4)                    | 29<br>(20)          | 5 × 5.4<br>(4 × 5.4)                      | 32<br>(25)            | 6.3 × 5.4<br>(5 × 5.4)   | 39<br>(32)             |
| 33<br>330              | 5 × 5.4<br>(4 × 5.4)     | 30<br>(25)   | 5 × 5.4<br>(4 × 5.4)       | 32<br>(30)   | 5 × 5.4<br>(4 × 5.4)                    | 35<br>(22)          | 6.3 × 5.4<br>(5 × 5.4)                    | 45<br>(35)            | 6.3 × 5.4<br>(5 × 5.4)   | 48<br>(35)             |
| 47<br>470              | 5 × 5.4<br>(4 × 5.4)     | 36<br>(30)   | 5 × 5.4<br>(4 × 5.4)       | 38<br>(35)   | 5 × 5.4                                 | 38                  | 6.3 × 5.4<br>(5 × 5.4)                    | 55<br>(40)            | 6.3 × 5.4                | 60                     |
| 100<br>101             | 6.3 × 5.4<br>(5 × 5.4)   | 60<br>(49)   | 6.3 × 5.4<br>(5 × 5.4)     | 65<br>(54)   | 6.3 × 5.4<br>(5 × 5.4)                  | 70<br>(60)          | 6.3 × 5.4<br>(6.3 × 4.5)                  | 80<br>(55)            | 6.3 × 7.7<br>(6.3 × 5.4) | 100<br>(80)            |
| 150<br>151             | 6.3 × 5.4                | 70           | 6.3 × 5.4                  | 55           | 6.3 × 5.4                               | 62                  | 6.3 × 7.7                                 | 105                   | 8 × 10.5<br>(6.3 × 7.7)  | 140<br>(120)           |
| 220<br>221             | 6.3 × 5.4                | 85           | 6.3 × 7.7<br>(6.3 × 5.4)   | 120<br>(95)  | 6.3 × 7.7<br>(6.3 × 5.4)<br>(6.3 × 4.5) | 120<br>(95)<br>(60) | 8 × 10.5<br>(6.3 × 7.7)                   | 180<br>(120)          | 8 × 10.5                 | 200                    |
| 330<br>331             | 6.3 × 7.7                | 100          | 6.3 × 7.7                  | 120          | 8 × 10.5<br>(6.3 × 7.7)                 | 200<br>(135)        | 8 × 10.5                                  | 220                   | 10 × 10.5<br>(8 × 10.5)  | 240<br>(250)           |
| 470<br>471             | 6.3 × 7.7                | 105          | 8 × 10.5<br>(6.3 × 7.7)    | 230<br>(120) | 6.3 × 7.7<br>(8 × 10.5)                 | 120<br>(230)        | 10 × 10.5<br>(8 × 10.5)                   | 300<br>(270)          | 10 × 10.5                | 280                    |
| 680<br>681             | 8 × 10.5                 | 210          | 8 × 10.5                   | 230          | 10 × 10.5<br>(8 × 10.5)                 | 270<br>(220)        | 10 × 10.5                                 | 315                   | 10 × 13.5                | 400                    |
| 1000<br>102            | 8 × 10.5                 | 230          | 10 × 10.5<br>(8 × 10.5)    | 340<br>(290) | 10 × 10.5                               | 315                 | 12.5 × 13.5<br>(10 × 13.5)<br>(10 × 10.5) | 500<br>(390)<br>(340) | 12.5 × 13.5              | 580                    |
| 1500<br>152            | 10 × 10.5                | 315          | 10 × 13.5<br>(10 × 10.5)   | 450<br>(410) | 10 × 13.5                               | 460                 | 12.5 × 13.5                               | 550                   | 12.5 × 16                | 850                    |
| 2200<br>222            | 10 × 13.5<br>(10 × 10.5) | 440<br>(340) | 12.5 × 13.5<br>(10 × 13.5) | 620<br>(500) | 12.5 × 13.5                             | 680                 | 16 × 16.5<br>(12.5 × 16)                  | 950<br>(750)          | 16 × 16.5                | 1050                   |
| 3300<br>332            | 10 × 13.5                | 490          | 12.5 × 16<br>(12.5 × 13.5) | 700<br>(660) | 16 × 16.5                               | 1000                | 16 × 16.5                                 | 1000                  |                          |                        |
| 4700<br>472            | 12.5 × 13.5              | 600          | 16 × 16.5                  | 1000         |   |                     |   |                       | Case size<br>尺寸          | Ripple current<br>纹波电流 |
| 6800<br>682            | 16 × 16.5<br>(12.5 × 16) | 950<br>(650) |                            |              |   |                     |   |                       |                          |                        |

| WV<br>Code<br>μF<br>代码 | 35                                      |                    | 50                       |             | 63                       |                        | 100                                       |                       |
|------------------------|---|--------------------|--------------------------|-------------|--------------------------|------------------------|---|-----------------------|
|                        | 1V                                      |                    | 1H                       |             | 1J                       |                        | 2A  |                       |
| 0.1<br>0R1             |   |                    | 4 × 5.4                  | 2           | 4 × 5.4                  | 2                      |   |                       |
| 0.22<br>R22            |   |                    | 4 × 5.4                  | 4           | 4 × 5.4                  | 4                      |   |                       |
| 0.33<br>R33            |   |                    | 4 × 5.4                  | 4           | 4 × 5.4                  | 4                      |   |                       |
| 0.47<br>R47            |   |                    | 4 × 5.4                  | 5           | 4 × 5.4                  | 5                      |   |                       |
| 1<br>010               |   |                    | 4 × 5.4                  | 8           | 4 × 5.4                  | 8                      | 4 × 5.4                                   | 8                     |
| 2.2<br>2R2             |   |                    | 4 × 5.4                  | 11          | 4 × 5.4                  | 11                     | 6.3 × 5.4<br>(5 × 5.4)                    | 14<br>(12)            |
| 3.3<br>3R3             | 4 × 5.4                                 | 13                 | 4 × 5.4                  | 14          | 5 × 5.4                  | 14                     | 6.3 × 7.7<br>(6.3 × 5.4)                  | 32<br>(20)            |
| 4.7<br>4R7             | 4 × 5.4                                 | 15                 | 5 × 5.4<br>(4 × 5.4)     | 19<br>(14)  | 5 × 5.4                  | 19                     | 6.3 × 7.7<br>(6.3 × 5.4)                  | 35<br>(21)            |
| 10<br>100              | 5 × 5.4<br>(4 × 5.4)                    | 25<br>(18)         | 6.3 × 5.4<br>(5 × 5.4)   | 31<br>(20)  | 6.3 × 7.7<br>(6.3 × 5.4) | 39<br>(24)             | 8 × 10.5<br>(6.3 × 7.7)                   | 77<br>(35)            |
| 22<br>220              | 6.3 × 5.4<br>(5 × 5.4)                  | 42<br>(34)         | 6.3 × 7.7<br>(6.3 × 5.4) | 51<br>(42)  | 8 × 10.5<br>(6.3 × 7.7)  | 98<br>(49)             | 10 × 10.5<br>(8 × 10.5)                   | 126<br>(84)           |
| 33<br>330              | 6.3 × 5.4                               | 50                 | 6.3 × 7.7                | 60          | 8 × 10.5                 | 112                    | 10 × 10.5                                 | 133                   |
| 47<br>470              | 6.3 × 7.7<br>(6.3 × 5.4)<br>(6.3 × 4.5) | 78<br>(58)<br>(50) | 8 × 10.5<br>(6.3 × 7.7)  | 120<br>(63) | 10 × 10.5<br>(8 × 10.5)  | 160<br>(119)           | 12.5 × 13.5<br>(10 × 13.5)<br>(10 × 10.5) | 250<br>(160)<br>(140) |
| 68<br>680              |   |                    |                          |             | Case size<br>尺寸          | Ripple current<br>纹波电流 | 12.5 × 13.5<br>(10 × 13.5)                | 300<br>(180)          |

•Case size  $\varnothing D \times L$ (mm), ripple current (mA rms) at 105°C, 120Hz •尺寸 $\varnothing D \times L$ (mm), 纹波电流(mA rms)于105°C, 120Hz



□ DIMENSIONS & MAXIMUM PERMISSIBLE RIPPLE CURRENT 规格尺寸及最大允许纹波电流

| μF   | WV Code 代码 | 35  |                       | 50  |                       | 63  |                       | 100                        |              | 160                        |                           |
|------|------------|---|-----------------------|---|-----------------------|---|-----------------------|----------------------------|--------------|----------------------------|---------------------------|
|      |            | 1V  |                       | 1H  |                       | 1J  |                       | 2A                         |              | 2C                         |                           |
| 22   | 220        |   |                       |   |                       |   |                       |                            |              | 10 × 13.5                  | 50                        |
| 33   | 330        |   |                       |   |                       |   |                       |                            |              | 12.5 × 13.5                | 95                        |
| 47   | 470        |   |                       |   |                       |   |                       |                            |              | 12.5 × 13.5<br>(16 × 16.5) | 205<br>(240)              |
| 100  | 101        | 8 × 10.5<br>(6.3 × 7.7)                   | 150<br>(92)           | 10 × 10.5<br>(8 × 10.5)                   | 180<br>(160)          | 12.5 × 13.5<br>(10 × 13.5)<br>(10 × 10.5) | 270<br>(210)<br>(196) | 16 × 16.5<br>(12.5 × 13.5) | 450<br>(380) | 16 × 16.5                  | 250                       |
| 150  | 151        | 8 × 10.5                                  | 185                   | 10 × 10.5                                 | 200                   | 10 × 13.5                                 | 225                   |                            |              |                            |                           |
| 220  | 221        | 10 × 10.5<br>(8 × 10.5)                   | 250<br>(220)          | 10 × 13.5<br>(10 × 10.5)                  | 280<br>(220)          | 16 × 16.5<br>(12.5 × 13.5)                | 560<br>(470)          | 16 × 16.5                  | 550          |                            |                           |
| 330  | 331        | 10 × 10.5                                 | 300                   | 16 × 16.5<br>(12.5 × 13.5)<br>(10 × 13.5) | 600<br>(420)<br>(295) | 16 × 16.5<br>(12.5 × 16)                  | 700<br>(510)          |                            |              |                            |                           |
| 470  | 471        | 12.5 × 13.5<br>(10 × 13.5)<br>(10 × 10.5) | 520<br>(375)<br>(310) | 16 × 16.5<br>(12.5 × 16)<br>(12.5 × 13.5) | 700<br>(520)<br>(470) | 16 × 16.5                                 | 750                   |                            |              |                            |                           |
| 680  | 681        | 12.5 × 13.5                               | 530                   | 16 × 16.5                                 | 750                   |   |                       |                            |              |                            |                           |
| 1000 | 102        | 16 × 16.5<br>(12.5 × 16)                  | 750<br>(600)          |   |                       |   |                       |                            |              | Case size<br>尺寸            | Ripple<br>current<br>纹波电流 |
| 1500 | 152        | 16 × 16.5                                 | 750                   |   |                       |   |                       |                            |              |                            |                           |

| μF  | WV Code 代码 | 200         |     | 250         |     | 350         |     | 400                        |            | 450                        |                           |
|-----|------------|-------------|-----|-------------|-----|-------------|-----|----------------------------|------------|----------------------------|---------------------------|
|     |            | 2D          |     | 2E          |     | 2V          |     | 2G                         |            | 2W                         |                           |
| 3.3 | 3R3        |             |     |             |     |             |     | 10 × 13.5<br>(8 × 10.5)    | 40<br>(35) | 10 × 13.5<br>(8 × 12.5)    | 40<br>(38)                |
| 4.7 | 4R7        |             |     | 10 × 13.5   | 75  | 10 × 13.5   | 85  | 10 × 13.5<br>(12.5 × 13.5) | 45<br>(48) | 10 × 13.5<br>(12.5 × 13.5) | 42<br>45                  |
| 10  | 100        | 10 × 13.5   | 75  | 10 × 13.5   | 75  | 12.5 × 13.5 | 105 | 12.5 × 13.5                | 50         | 12.5 × 13.5                | 55                        |
| 22  | 220        | 12.5 × 13.5 | 105 | 12.5 × 13.5 | 105 | 16 × 16.5   | 130 | 16 × 16.5                  | 85         | 16 × 16.5                  | 85                        |
| 33  | 330        | 12.5 × 13.5 | 120 | 16 × 16.5   | 135 |             |     |                            |            | Case size<br>尺寸            | Ripple<br>current<br>纹波电流 |
| 47  | 470        | 16 × 16.5   | 220 |             |     |             |     |                            |            |                            |                           |

• Case size  $\varnothing D \times L$ (mm), ripple current (mA rms) at 105°C, 120Hz • 尺寸 $\varnothing D \times L$ (mm), 纹波电流(mA rms)于105°C, 120Hz

□ FREQUENCY COEFFICIENT OF ALLOWABLE RIPPLE CURRENT 纹波电流频率补偿系数

| Frequency 频率   |  | 50Hz          | 120Hz | 300Hz | 1KHz | 10KHz~ |
|----------------|--|---------------|-------|-------|------|--------|
| Coefficient 系数 | $\varnothing 4 \sim \varnothing 10$    | 0.1 ~ 68μF    | 0.70  | 1.00  | 1.17 | 1.36   |
|                |  | 100 ~ 3300μF  | 0.85  | 1.00  | 1.08 | 1.20   |
|                | $\varnothing 12.5 \sim \varnothing 16$ | ~ 68μF        | 0.75  | 1.00  | 1.35 | 1.57   |
|                |  | 100 ~ 680μF   | 0.80  | 1.00  | 1.23 | 1.34   |
|                |  | 1000 ~ 6800μF | 0.85  | 1.00  | 1.10 | 1.13   |

● The endurance of capacitors is reduced with internal heating produced by ripple current at the rate of halving the lifetime with every 10°C rise. When long life performance is required in actual use, the rms ripple current has to be reduced.

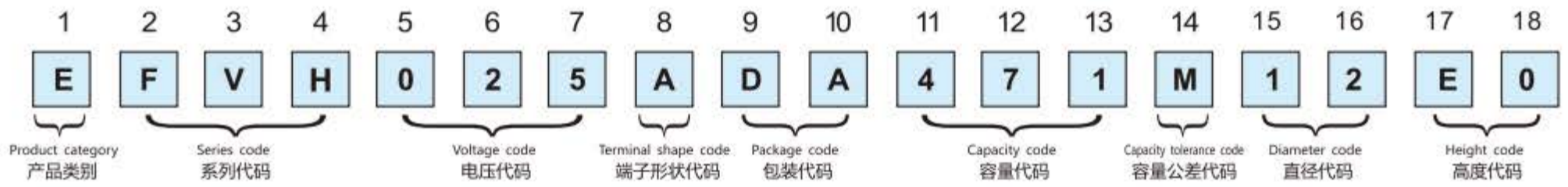
● 铝电解电容器由于在纹波电流叠加时自我发热，温度上升而老化，每升温10°C寿命减少一半；要想保持长寿命请在使用过程中降低纹波电流。

● Taping specifications are given in page 17 "Taping Specifications". 编带标准请参阅第 17 页“编带标准”。

● Please refer to page 18 "Package Quantity" for the minimum package quantity. 最小包装数量请参阅第 18 页“包装数量”。



## SMD EXPLANATION OF PART NUMBERS 贴片产品编码规则



| (2, 3, 4) |                  |         | (5, 6, 7)             |         | (11, 12, 13)           |         | (14)                      | (8)            |         | (15, 16)                     |                      | (17, 18)       |         |
|-----------|------------------|---------|-----------------------|---------|------------------------|---------|---------------------------|----------------|---------|------------------------------|----------------------|----------------|---------|
| Series 系列 | Voltage (w.v) 电压 | Code 代码 | Capacitance (uF) 静电容量 | Code 代码 | Cap.Tolerance (%) 容量允许 | Code 代码 | Tape 端子类型                 |                | Code 代码 | Diameter (mm) 直径             | Code 代码              | Length (mm) 高度 | Code 代码 |
| FVE       | 4                | 4R0     | 0.1                   | 0R1     | ± 10                   | K       | No dummy terminal 无辅助端子   |                | A       | 4                            | 04                   | 4.5            | 45      |
| FVH       | 6.3              | 6R3     | 0.22                  | R22     | ± 20                   | M       | With dummy terminal 有辅助端子 |                | G       | 5                            | 05                   | 5.4            | 54      |
| FVA       | 10               | 010     | 1                     | 010     | (9, 10)                |         |                           | Packaging 包装要求 | Code 代码 | 6.3                          | 06                   | 5.8            | 58      |
| FVZ       | 16               | 016     | 4.7                   | 4R7     |                        |         |                           |                |         | External diameter 纸盘外径 □(mm) | Fit size 适合尺寸 □D(mm) | 8              | 08      |
| FVR       | 25               | 025     | 10                    | 100     | Brading 编带             | Code 代码 | 10                        |                |         |                              |                      | 10             | 7.7     |
| FVL       | 35               | 035     | 47                    | 470     |                        |         | Paper tray 纸盘             |                |         | 380                          | ØD4~18               | DA             | 12.5    |
| FVM       | 50               | 050     | 100                   | 101     | Glue tray 胶盘           | 330     | ØD4~18                    | DB             | 16      | 16                           | 10.5                 | B0             |         |
| FVU       | 63               | 063     | 470                   | 471     | Blister box 吸塑盒        | 380     | ØD4~10                    | RA             | 18      | 18                           | 13.5                 | E0             |         |
| FVG       | 100              | 100     | 1000                  | 102     | -                      | -       | ØD12.5~18                 | TR             |         |                              | 16                   | G5             |         |
| FVB       | 160              | 160     | 4700                  | 472     |                        |         |                           |                |         |                              | 16.5                 | H0             |         |
| FVN       | 250              | 250     | 10000                 | 103     |                        |         |                           |                |         |                              | 21.5                 | N0             |         |
| FVD       | 350              | 350     |                       |         |                        |         |                           |                |         |                              |                      |                |         |
| FVC       | 400              | 400     |                       |         |                        |         |                           |                |         |                              |                      |                |         |

## Radial EXPLANATION OF PART NUMBERS 插件产品编码规则



| (2, 3, 4) |                  |         | (5, 6, 7)             |         | (10, 11, 12)           |         | (13)                    | (8, 9)         |         | (14, 15)                     |                      | (16, 17)       |         |
|-----------|------------------|---------|-----------------------|---------|------------------------|---------|-------------------------|----------------|---------|------------------------------|----------------------|----------------|---------|
| Series 系列 | Voltage (w.v) 电压 | Code 代码 | Capacitance (uF) 静电容量 | Code 代码 | Cap.Tolerance (%) 容量允许 | Code 代码 | Packaging 包装形式          |                | Code 代码 | Diameter (mm) 直径             | Code 代码              | Length (mm) 高度 | Code 代码 |
| FRA       | 4                | 4R0     | 0.1                   | 0R1     | ± 10                   | K       | Long-legged bulk 长脚散装   |                | BK      | 4                            | 04                   | 4.5            | 04      |
| FRS       | 6.3              | 6R3     | 0.22                  | R22     | ± 20                   | M       | Long-legged taping 长脚编带 |                | BA      | 5                            | 05                   | 5.5            | 05      |
| FRU       | 10               | 010     | 1                     | 010     | (8, 9)                 |         |                         | Packaging 包装形式 | Code 代码 | 6.3                          | 06                   | 6.0            | 06      |
| FRK       | 16               | 016     | 4.7                   | 4R7     |                        |         |                         |                |         | External diameter 纸盘外径 □(mm) | Fit size 适合尺寸 □D(mm) | 8              | 08      |
| FBR       | 25               | 025     | 10                    | 100     | Brading 编带             | Code 代码 | 10                      |                |         |                              |                      | 10             | 7.0     |
| FBU       | 35               | 035     | 47                    | 470     |                        |         | Paper tray 纸盘           |                |         | 380                          | ØD4~18               | DA             | 12.5    |
|           | 50               | 050     | 100                   | 101     | Glue tray 胶盘           | 330     | ØD4~18                  | DB             | 16      | 16                           | 10                   | 10             |         |
|           | 63               | 063     | 470                   | 471     | Blister box 吸塑盒        | 380     | ØD4~10                  | RA             | 18      | 18                           | 11                   | 11             |         |
|           | 100              | 100     | 1000                  | 102     | -                      | -       | ØD12.5~18               | TR             |         |                              | 11.5                 | 11             |         |
|           | 160              | 160     | 4700                  | 472     |                        |         |                         |                |         |                              | 12                   | 12             |         |
|           | 250              | 250     | 10000                 | 103     |                        |         |                         |                |         |                              | 16                   | 16             |         |
|           | 350              | 350     |                       |         |                        |         |                         |                |         |                              |                      |                |         |
|           | 400              | 400     |                       |         |                        |         |                         |                |         |                              |                      |                |         |

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