

## ULTRA LONG LIFE 超长寿命品

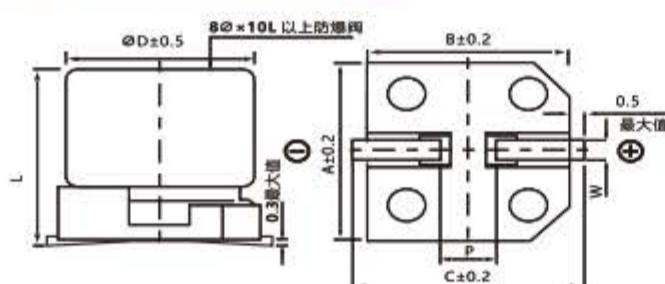
- Wide temperature range -55~+105°C  
适用于 -55~+105°C 的宽温范围
- Load life of 3000~5000 hours  
负荷寿命3000~5000 小时
- Comply with the RoHS directive  
符合 RoHS 指令



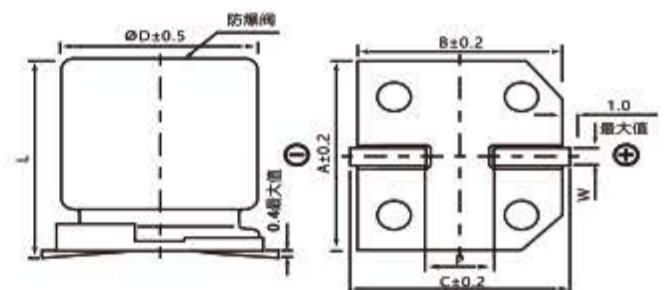
### SPECIFICATIONS 特性表

| Items 项目                            | Characteristics 主要特性   |                            |   |                          |   |                     |  |        |             |                     |        |                      |      |      |      |      |         |                      |      |      |      |      |      |               |           |                      |   |   |   |   |   |                      |    |    |   |   |   |   |
|-------------------------------------|--|----------------------------|---|--------------------------|---|---------------------|--|--------|-------------|---------------------|--------|----------------------|------|------|------|------|---------|----------------------|------|------|------|------|------|---------------|-----------|----------------------|---|---|---|---|---|----------------------|----|----|---|---|---|---|
| Operation Temperature Range 使用温度范围  | -55 ~ +105°C   |                            |   |                          |   |                     |  |        |             |                     |        |                      |      |      |      |      |         |                      |      |      |      |      |      |               |           |                      |   |   |   |   |   |                      |    |    |   |   |   |   |
| Voltage Range 额定工作电压范围              | 6.3 ~ 100V   |                            |   |                          |   |                     |  |        |             |                     |        |                      |      |      |      |      |         |                      |      |      |      |      |      |               |           |                      |   |   |   |   |   |                      |    |    |   |   |   |   |
| Capacitance Range 静电容量范围            | 0.1 ~ 3300 μ F   |                            |   |                          |   |                     |  |        |             |                     |        |                      |      |      |      |      |         |                      |      |      |      |      |      |               |           |                      |   |   |   |   |   |                      |    |    |   |   |   |   |
| Capacitance Tolerancø 静电容量允许偏差      | ± 20% at 120Hz, 20°C   |                            |   |                          |   |                     |  |        |             |                     |        |                      |      |      |      |      |         |                      |      |      |      |      |      |               |           |                      |   |   |   |   |   |                      |    |    |   |   |   |   |
| Leakage Current 漏电流                 | Leakage current (ø4~ø10) ≤ 0.01CV or 3 μ A, whichever is greater (after 2 minutes application of rated voltage)<br>Leakage current (ø12.5~ø16) ≤ 0.03CV or 4 μ A, whichever is greater (after 2 minute application of rated voltage)<br>漏电流 (ø4~ø10) ≤ 0.01CV 或 3 μ A, 取较大值 (施加额定工作电压 2 分钟后)<br>漏电流 (ø12.5~ø16) ≤ 0.03CV 或 4 μ A, 取较大值 (施加额定工作电压 2 分钟后)  |                            |   |                          |   |                     |  |        |             |                     |        |                      |      |      |      |      |         |                      |      |      |      |      |      |               |           |                      |   |   |   |   |   |                      |    |    |   |   |   |   |
| Dissipation Factor(tan δ) 损耗角正切     | Measurement frequency 测试频率: 120Hz, Temperature 温度: 20°C<br><table border="1"> <tr> <td>Rated Voltage (V) 额定工作电压</td> <td>6.3</td> <td>10</td> <td>16</td> <td>25</td> <td>35</td> <td>50~100</td> </tr> <tr> <td>tan δ(max.)</td> <td>ø4~ø10</td> <td>0.30</td> <td>0.24</td> <td>0.20</td> <td>0.18</td> <td>0.16</td> <td>0.14</td> </tr> <tr> <td>最大损耗角正切</td> <td>ø12.5~ø16</td> <td>0.38</td> <td>0.34</td> <td>0.30</td> <td>0.28</td> <td>0.22</td> <td>0.18</td> </tr> </table>  | Rated Voltage (V) 额定工作电压   | 6.3                                       | 10                       | 16  | 25                  | 35                                     | 50~100 | tan δ(max.) | ø4~ø10              | 0.30   | 0.24                 | 0.20 | 0.18 | 0.16 | 0.14 | 最大损耗角正切 | ø12.5~ø16            | 0.38 | 0.34 | 0.30 | 0.28 | 0.22 | 0.18          |           |                      |   |   |   |   |   |                      |    |    |   |   |   |   |
| Rated Voltage (V) 额定工作电压            | 6.3  | 10                         | 16  | 25                       | 35  | 50~100              |  |        |             |                     |        |                      |      |      |      |      |         |                      |      |      |      |      |      |               |           |                      |   |   |   |   |   |                      |    |    |   |   |   |   |
| tan δ(max.)                         | ø4~ø10   | 0.30                       | 0.24                                      | 0.20                     | 0.18  | 0.16                | 0.14                                   |        |             |                     |        |                      |      |      |      |      |         |                      |      |      |      |      |      |               |           |                      |   |   |   |   |   |                      |    |    |   |   |   |   |
| 最大损耗角正切                             | ø12.5~ø16  | 0.38                       | 0.34                                      | 0.30                     | 0.28  | 0.22                | 0.18                                   |        |             |                     |        |                      |      |      |      |      |         |                      |      |      |      |      |      |               |           |                      |   |   |   |   |   |                      |    |    |   |   |   |   |
| Stability at Low Temperature 低温特性   | Measurement frequency 测试频率: 120Hz<br><table border="1"> <tr> <td colspan="2">Rated Voltage (V 额定工作电压)</td> <td>6.3</td> <td>10</td> <td>16</td> <td>25</td> <td>35</td> <td>50~100</td> </tr> <tr> <td rowspan="2">Impedance Ratio 阻抗比</td> <td rowspan="2">ø4~ø10</td> <td>Z(-25° C) / Z(20° C)</td> <td>3</td> <td>3</td> <td>2</td> <td>2</td> <td>2</td> </tr> <tr> <td>Z(-55° C) / Z(20° C)</td> <td>8</td> <td>5</td> <td>4</td> <td>3</td> <td>3</td> </tr> <tr> <td rowspan="2">ZT/Z20 (max.)</td> <td rowspan="2">ø12.5~ø16</td> <td>Z(-25° C) / Z(20° C)</td> <td>5</td> <td>4</td> <td>3</td> <td>2</td> <td>2</td> </tr> <tr> <td>Z(-55° C) / Z(20° C)</td> <td>12</td> <td>10</td> <td>8</td> <td>5</td> <td>4</td> <td>3</td> </tr> </table> | Rated Voltage (V 额定工作电压)   |   | 6.3                      | 10  | 16                  | 25                                     | 35     | 50~100      | Impedance Ratio 阻抗比 | ø4~ø10 | Z(-25° C) / Z(20° C) | 3    | 3    | 2    | 2    | 2       | Z(-55° C) / Z(20° C) | 8    | 5    | 4    | 3    | 3    | ZT/Z20 (max.) | ø12.5~ø16 | Z(-25° C) / Z(20° C) | 5 | 4 | 3 | 2 | 2 | Z(-55° C) / Z(20° C) | 12 | 10 | 8 | 5 | 4 | 3 |
| Rated Voltage (V 额定工作电压)            |  | 6.3                        | 10  | 16                       | 25  | 35                  | 50~100                                 |        |             |                     |        |                      |      |      |      |      |         |                      |      |      |      |      |      |               |           |                      |   |   |   |   |   |                      |    |    |   |   |   |   |
| Impedance Ratio 阻抗比                 | ø4~ø10   | Z(-25° C) / Z(20° C)       | 3   | 3                        | 2   | 2                   | 2                                      |        |             |                     |        |                      |      |      |      |      |         |                      |      |      |      |      |      |               |           |                      |   |   |   |   |   |                      |    |    |   |   |   |   |
|                                     |  | Z(-55° C) / Z(20° C)       | 8   | 5                        | 4   | 3                   | 3                                      |        |             |                     |        |                      |      |      |      |      |         |                      |      |      |      |      |      |               |           |                      |   |   |   |   |   |                      |    |    |   |   |   |   |
| ZT/Z20 (max.)                       | ø12.5~ø16  | Z(-25° C) / Z(20° C)       | 5   | 4                        | 3   | 2                   | 2                                      |        |             |                     |        |                      |      |      |      |      |         |                      |      |      |      |      |      |               |           |                      |   |   |   |   |   |                      |    |    |   |   |   |   |
|                                     |  | Z(-55° C) / Z(20° C)       | 12  | 10                       | 8   | 5                   | 4                                      | 3      |             |                     |        |                      |      |      |      |      |         |                      |      |      |      |      |      |               |           |                      |   |   |   |   |   |                      |    |    |   |   |   |   |
| Load Life 高温负荷特性                    | After 5000 hrs. (3000 hrs. for ø4~ø6.3 × 5.8) 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5000 小时 (ø4~ø6.3 × 5.8 为 3000 小时) 后, 电容器的特性符合下表的要求。<br><table border="1"> <tr> <td>Capacitance Change 静电容量变化率</td> <td>Within ± 30% of initial value 初始值的 ±30%以内</td> </tr> <tr> <td>Dissipation Factor 损耗角正切</td> <td>300% or less of initial specified value 不大于规范值的300%</td> </tr> <tr> <td>Leakage Current 漏电流</td> <td>initial specified value or less 不大于规范值</td> </tr> </table>   | Capacitance Change 静电容量变化率 | Within ± 30% of initial value 初始值的 ±30%以内 | Dissipation Factor 损耗角正切 | 300% or less of initial specified value 不大于规范值的300% | Leakage Current 漏电流 | initial specified value or less 不大于规范值 |        |             |                     |        |                      |      |      |      |      |         |                      |      |      |      |      |      |               |           |                      |   |   |   |   |   |                      |    |    |   |   |   |   |
| Capacitance Change 静电容量变化率          | Within ± 30% of initial value 初始值的 ±30%以内  |                            |   |                          |   |                     |  |        |             |                     |        |                      |      |      |      |      |         |                      |      |      |      |      |      |               |           |                      |   |   |   |   |   |                      |    |    |   |   |   |   |
| Dissipation Factor 损耗角正切            | 300% or less of initial specified value 不大于规范值的300%  |                            |   |                          |   |                     |  |        |             |                     |        |                      |      |      |      |      |         |                      |      |      |      |      |      |               |           |                      |   |   |   |   |   |                      |    |    |   |   |   |   |
| 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。<br><table border="1"> <tr> <td>Capacitance Change 静电容量变化率</td> <td>Within ± 10% of initial value 初始值的 ±10%以内</td> </tr> <tr> <td>Dissipation Factor 损耗角正切</td> <td>initial specified value or less 不大于规范值</td> </tr> <tr> <td>Leakage Current 漏电流</td> <td>initial specified value or less 不大于规范值</td> </tr> </table>   | 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 |        |             |                     |        |                      |      |      |      |      |         |                      |      |      |      |      |      |               |           |                      |   |   |   |   |   |                      |    |    |   |   |   |   |
| 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



ΦD=4~10 适用



Φ12.5 以上适用

### DIMENSIONS (Unit: mm) 尺寸表

| DXL   | 4X5.8     | 5X5.8     | 6.3X5.8   | 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       | 8.3        | 10.3       | 10.3       | 13.0       | 13.0     | 17.0       |
| B     | 4.3       | 5.3       | 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       | 9.2        | 11.2       | 11.2       | 13.7       | 13.7     | 18.0       |
| P±0.2 | 1.0       | 1.5       | 2.0       | 2.0       | 3.1        | 4.4        | 4.4        | 4.4        | 4.4      | 6.4        |
| L     | 5.8 ± 0.3 | 5.8 ± 0.3 | 5.8 ± 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

| μF   | WV<br>Code<br>代码 | 6.3                        |              | 10                         |              | 16          |     | 25                         |                        |
|------|------------------|----------------------------|--------------|----------------------------|--------------|-------------|-----|----------------------------|------------------------|
|      |                  | 0J                         |              | 1A                         |              | 1C          |     | 1E                         |                        |
| 10   | 100              |                            |              |                            |              | 4 × 5.8     | 18  | 5 × 5.8                    | 27                     |
| 22   | 220              | 4 × 5.8                    | 22           | 5 × 5.8                    | 30           | 5 × 5.8     | 30  | 6.3 × 5.8                  | 44                     |
| 33   | 330              | 5 × 5.8                    | 35           | 5 × 5.8                    | 36           | 6.3 × 5.8   | 48  | 6.3 × 5.8                  | 50                     |
| 47   | 470              | 5 × 5.8                    | 38           | 6.3 × 5.8                  | 50           | 6.3 × 5.8   | 50  | 6.3 × 7.7                  | 63                     |
| 100  | 101              | 6.3 × 5.8                  | 69           | 6.3 × 7.7                  | 81           | 6.3 × 7.7   | 81  | 8 × 10.5                   | 116                    |
| 150  | 151              | 6.3 × 7.7                  | 85           | 8 × 10.5                   | 125          | 8 × 10.5    | 125 | 10 × 10.5                  | 320                    |
| 220  | 221              | 6.3 × 7.7                  | 120          | 8 × 10.5                   | 141          | 10 × 10.5   | 216 | 10 × 10.5                  | 320                    |
| 330  | 331              | 8 × 10.5                   | 290          | 10 × 10.5                  | 290          | 10 × 10.5   | 290 | 10 × 10.5                  | 320                    |
| 470  | 471              | 10 × 10.5                  | 320          | 10 × 10.5                  | 320          | 10 × 10.5   | 320 | 12.5 × 13.5<br>(10 × 13.5) | 400<br>(350)           |
| 680  | 681              | 10 × 10.5                  | 320          | 10 × 10.5                  | 320          | 10 × 13.5   | 420 | 12.5 × 13.5                | 415                    |
| 1000 | 102              | 10 × 10.5                  | 410          | 10 × 13.5                  | 390          | 12.5 × 13.5 | 550 | 12.5 × 13.5                | 460                    |
| 1500 | 152              | 10 × 13.5                  | 450          | 12.5 × 13.5                | 480          | 12.5 × 13.5 | 650 | 12.5 × 16                  | 700                    |
| 2200 | 222              | 12.5 × 13.5                | 680          | 12.5 × 16<br>(12.5 × 13.5) | 750<br>(510) | 16 × 16.5   | 800 |                            |                        |
| 3300 | 332              | 12.5 × 16<br>(12.5 × 13.5) | 850<br>(800) | 16 × 16.5                  | 800          |             |     | Case size<br>尺寸            | Ripple current<br>纹波电流 |

| μF   | WV<br>Code<br>代码 | 35                         |              | 50                         |              | 63                       |              | 100                                       |                        |
|------|------------------|----------------------------|--------------|----------------------------|--------------|--------------------------|--------------|---|------------------------|
|      |                  | 1V                         |              | 1H                         |              | 1J                       |              | 2A  |                        |
| 0.1  | 0R1              |                            |              | 4 × 5.8                    | 1.0          |                          |              |   |                        |
| 0.22 | R22              |                            |              | 4 × 5.8                    | 2.6          |                          |              |   |                        |
| 0.33 | R33              |                            |              | 4 × 5.8                    | 3.2          |                          |              |   |                        |
| 0.47 | R47              |                            |              | 4 × 5.8                    | 5            |                          |              |   |                        |
| 1    | 010              |                            |              | 4 × 5.8                    | 8            |                          |              |   |                        |
| 2.2  | 2R2              |                            |              | 4 × 5.8                    | 12           |                          |              |   |                        |
| 3.3  | 3R3              |                            |              | 4 × 5.8                    | 17           |                          |              | 6.3 × 7.7                                 | 30                     |
| 4.7  | 4R7              | 4 × 5.8                    | 16           | 5 × 5.8                    | 22           |                          |              | 8 × 10.5                                  | 50                     |
| 10   | 100              | 5 × 5.8                    | 27           | 6.3 × 5.8                  | 32           | 6.3 × 7.7                | 45           | 8 × 10.5                                  | 55                     |
| 22   | 220              | 6.3 × 5.8                  | 44           | 6.3 × 7.7                  | 58           | 8 × 10.5                 | 65           | 10 × 10.5                                 | 70                     |
| 33   | 330              | 6.3 × 7.7                  | 57           | 8 × 10.5                   | 140          | 10 × 10.5                | 80           | 10 × 10.5                                 | 80                     |
| 47   | 470              | 8 × 10.5                   | 92           | 10 × 10.5                  | 310          | 10 × 10.5                | 90           | 12.5 × 13.5<br>(10 × 13.5)                | 250<br>(150)           |
| 100  | 101              | 10 × 10.5                  | 151          | 10 × 10.5                  | 310          | 10 × 13.5                | 150          | 12.5 × 13.5                               | 300                    |
| 150  | 151              | 10 × 10.5                  | 290          | 10 × 10.5                  | 310          |                          |              | 16 × 16.5<br>(12.5 × 16)<br>(12.5 × 13.5) | 600<br>(420)<br>(380)  |
| 220  | 221              | 10 × 10.5                  | 375          | 12.5 × 13.5<br>(10 × 13.5) | 340<br>(320) | 12.5 × 13.5              | 470          |   |                        |
| 330  | 331              | 12.5 × 13.5<br>(10 × 13.5) | 380<br>(375) | 12.5 × 16<br>(12.5 × 13.5) | 600<br>(500) | 16 × 16.5<br>(12.5 × 16) | 650<br>(550) |   |                        |
| 470  | 471              | 12.5 × 13.5                | 520          | 16 × 16.5                  | 700          |                          |              |   |                        |
| 680  | 681              | 12.5 × 13.5                | 550          |                            |              |                          |              |   |                        |
| 1000 | 102              | 16 × 16.5<br>(12.5 × 16)   | 750<br>(600) |                            |              |                          |              | Case size<br>尺寸                           | Ripple current<br>纹波电流 |

•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<br>系数 | ∅ 4 ~ ∅ 10    | 0.70         | 1.00  | 1.17  | 1.36 | 1.50   |      |
|                   | ∅ 12.5 ~ ∅ 16 | ~ 68μF       | 0.75  | 1.00  | 1.35 | 1.57   | 2.00 |
|                   |               | 100~ 470μF   | 0.80  | 1.00  | 1.23 | 1.34   | 1.50 |
|                   |               | 680 ~ 3300μF | 0.85  | 1.00  | 1.10 | 1.13   | 1.15 |

● 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.

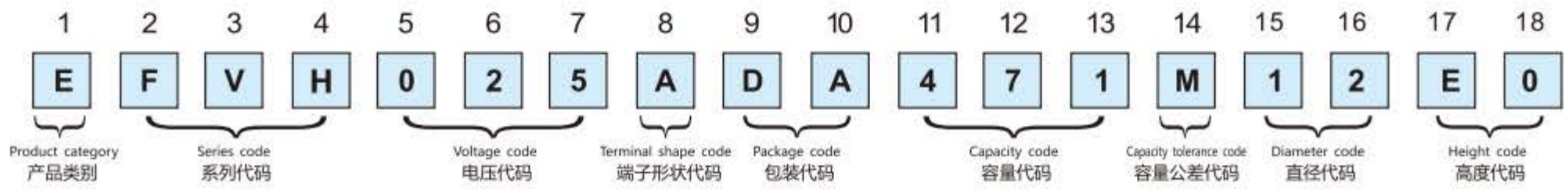
● 铝电解电容器由于在纹波电流叠加时自我发热，温度上升而老化，每升温10 °C寿命减少一半；要想保持长寿命请在使用过程中降低纹波电流。

● 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”。

FVG | Chip Type 贴片式

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

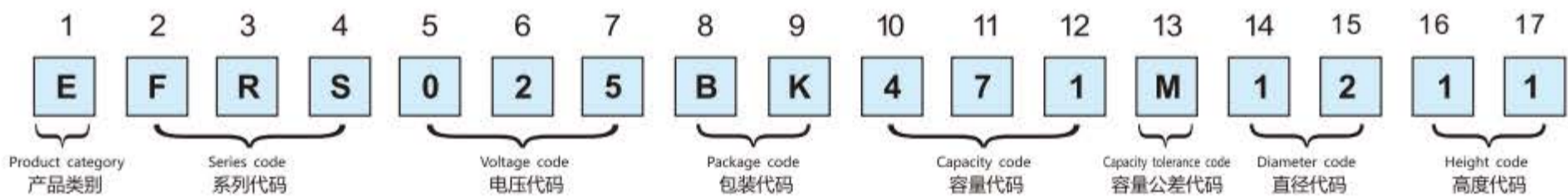


| (2, 3, 4)    |                        |            | (5, 6, 7)                   |            | (11, 12, 13)                 |            | (14)                      |  | (8)        |                       | (15, 16)   |                      | (17, 18)   |  |
|--------------|------------------------|------------|-----------------------------|------------|------------------------------|------------|---------------------------|--|------------|-----------------------|------------|----------------------|------------|--|
| Series<br>系列 | Voltage<br>(w.v)<br>电压 | Code<br>代码 | Capacitance<br>(uF)<br>静电容量 | Code<br>代码 | Cap.Tolerance<br>(%)<br>容量允许 | Code<br>代码 | Tape<br>端子类型              |  | Code<br>代码 | Diameter<br>(□)<br>直径 | Code<br>代码 | Length<br>(mm)<br>高度 | Code<br>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        |                              |            |                           |  |            | 6.3                   | 06         | 5.8                  | 58         |  |
| FVZ          | 16                     | 016        | 4.7                         | 4R7        |                              |            |                           |  |            | 8                     | 08         | 6.5                  | 65         |  |
| FVR          | 25                     | 025        | 10                          | 100        |                              |            |                           |  |            | 10                    | 10         | 7.7                  | 77         |  |
| FVL          | 35                     | 035        | 47                          | 470        |                              |            |                           |  |            | 12.5                  | 12         | 10.2                 | A0         |  |
| FVM          | 50                     | 050        | 100                         | 101        |                              |            |                           |  |            | 16                    | 16         | 10.5                 | B0         |  |
| FVU          | 63                     | 063        | 470                         | 471        |                              |            |                           |  |            | 18                    | 18         | 13.5                 | E0         |  |
| FVG          | 100                    | 100        | 1000                        | 102        |                              |            |                           |  |            |                       |            | 16                   | G5         |  |
| FVB          | 160                    | 160        | 4700                        | 472        |                              |            |                           |  |            |                       |            | 16.5                 | H0         |  |
| FVN          | 250                    | 250        | 10000                       | 103        |                              |            |                           |  |            |                       |            | 21.5                 | N0         |  |
| FVD          | 350                    | 350        |                             |            |                              |            |                           |  |            |                       |            |                      |            |  |
| FVC          | 400                    | 400        |                             |            |                              |            |                           |  |            |                       |            |                      |            |  |

| (9, 10)            |                                    |                            |            |
|--------------------|------------------------------------|----------------------------|------------|
| Packaging<br>包装要求  | External diameter<br>纸盘外径<br>□(mm) | Fit size<br>适合尺寸<br>□D(mm) | Code<br>代码 |
|                    |                                    |                            |            |
| Paper tray<br>纸盘   | 380                                | ∅D4~18                     | DA         |
|                    | 330                                | ∅D4~18                     | DB         |
| Glue tray<br>胶盘    | 380                                | ∅D4~10                     | RA         |
| Blister box<br>吸塑盒 | -                                  | ∅D12.5~18                  | TR         |

## 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<br>系列 | Voltage<br>(w.v)<br>电压 | Code<br>代码 | Capacitance<br>(uF)<br>静电容量 | Code<br>代码 | Cap.Tolerance<br>(%)<br>容量允许 | Code<br>代码 | Packaging<br>包装形式       |  | Code<br>代码 | Diameter<br>(∅)<br>直径 | Code<br>代码 | Length<br>(mm)<br>高度 | Code<br>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        |                              |            |                         |  |            | 6.3                   | 06         | 6.0                  | 06         |  |
| FRK          | 16                     | 016        | 4.7                         | 4R7        |                              |            |                         |  |            | 8                     | 08         | 6.5                  | 06         |  |
| FBR          | 25                     | 025        | 10                          | 100        |                              |            |                         |  |            | 10                    | 10         | 7.0                  | 07         |  |
| FBU          | 35                     | 035        | 47                          | 470        |                              |            |                         |  |            | 12.5                  | 12         | 8.0                  | 08         |  |
|              | 50                     | 050        | 100                         | 101        |                              |            |                         |  |            | 16                    | 16         | 10                   | 10         |  |
|              | 63                     | 063        | 470                         | 471        |                              |            |                         |  |            | 18                    | 18         | 11                   | 11         |  |
|              | 100                    | 100        | 1000                        | 102        |                              |            |                         |  |            |                       |            | 11.5                 | 11         |  |
|              | 160                    | 160        | 4700                        | 472        |                              |            |                         |  |            |                       |            | 12                   | 12         |  |
|              | 250                    | 250        | 10000                       | 103        |                              |            |                         |  |            |                       |            | 16                   | 16         |  |
|              | 350                    | 350        |                             |            |                              |            |                         |  |            |                       |            |                      |            |  |
|              | 400                    | 400        |                             |            |                              |            |                         |  |            |                       |            |                      |            |  |

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