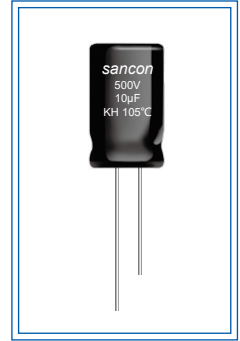


**KH** 长寿命 / 输入滤波用  
(CD264)

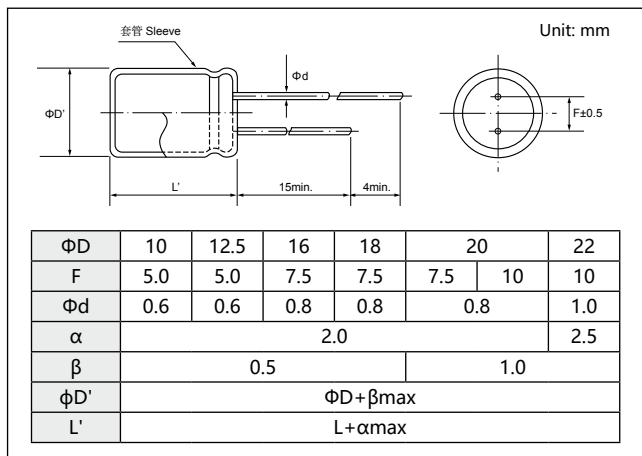
- 高电压品, 最高电压 500V, 105°C 3000 小时。High rated voltage, up to 500V, 105°C 3000 hours.
- 高稳定品, 专业性用途。High-reliability and professional applications.
- 最适用于照明, 监控器及一般工业用。Lighting, monitors, general industrial.
- 电源中高电压品的滤波。Filtering of high voltages in power supplies.
- 符合 RoHS。RoHS Compliant.



**主要技术性能 Specifications**

| 项目 Item   | 特性 Performance Characteristics  |                        |      |     |      |     |     |                                 |     |     |     |     |     |     |     |                   |      |  |      |  |      |  |  |                   |   |  |   |  |  |  |  |
|---|---|------------------------|------|-----|------|-----|-----|---------------------------------|-----|-----|-----|-----|-----|-----|-----|-------------------|------|--|------|--|------|--|--|-------------------|---|--|---|--|--|--|--|
| 工作温度范围<br>Category Temperature Range  | -40~+105°C  | -25~+105°C             |      |     |      |     |     |                                 |     |     |     |     |     |     |     |                   |      |  |      |  |      |  |  |                   |   |  |   |  |  |  |  |
| 额定电压范围<br>Rated Voltage Range   | 160~250V <sub>dc</sub>  | 350~500V <sub>dc</sub> |      |     |      |     |     |                                 |     |     |     |     |     |     |     |                   |      |  |      |  |      |  |  |                   |   |  |   |  |  |  |  |
| 标称电容量允许偏差<br>Capacitance Tolerance  | ±20% (+20°C, 120Hz)   |                        |      |     |      |     |     |                                 |     |     |     |     |     |     |     |                   |      |  |      |  |      |  |  |                   |   |  |   |  |  |  |  |
| 漏电流<br>Leakage Current  | after 1 minutes at 20°C application of rated voltage,leakage current is not more than :<br>CV ≤ 1000: I ≤ 0.06CV+40 ; CV>1000: I ≤ 0.03CV+70 (1分钟,20°C)   |                        |      |     |      |     |     |                                 |     |     |     |     |     |     |     |                   |      |  |      |  |      |  |  |                   |   |  |   |  |  |  |  |
| 损耗角正切值 (tgδ)<br>Dissipation Factor<br>(+20°C,120Hz)                                 | <table border="1"> <tr> <td>Rated Voltage(V<sub>dc</sub>)</td> <td>160</td> <td>200</td> <td>250</td> <td>350</td> <td>400</td> <td>450</td> <td>500</td> </tr> <tr> <td>tgδ(Max.)</td> <td colspan="2">0.12</td> <td colspan="2">0.15</td> <td colspan="3">0.20</td> </tr> </table>  |                        |      |     |      |     |     | Rated Voltage(V <sub>dc</sub> ) | 160 | 200 | 250 | 350 | 400 | 450 | 500 | tgδ(Max.)         | 0.12 |  | 0.15 |  | 0.20 |  |  |                   |   |  |   |  |  |  |  |
| Rated Voltage(V <sub>dc</sub> )   | 160   | 200                    | 250  | 350 | 400  | 450 | 500 |                                 |     |     |     |     |     |     |     |                   |      |  |      |  |      |  |  |                   |   |  |   |  |  |  |  |
| tgδ(Max.)   | 0.12  |                        | 0.15 |     | 0.20 |     |     |                                 |     |     |     |     |     |     |     |                   |      |  |      |  |      |  |  |                   |   |  |   |  |  |  |  |
| 温度特性 (阻抗比 Max.)<br>Temperature characteristics<br>(Max. Impedance ratio)<br>(120Hz) | <table border="1"> <tr> <td>Rated Voltage(V<sub>dc</sub>)</td> <td>160</td> <td>200</td> <td>250</td> <td>350</td> <td>400</td> <td>450</td> <td>500</td> </tr> <tr> <td>Z(-25°C)/Z(+20°C)</td> <td colspan="2">3</td> <td colspan="2">6</td> <td colspan="3">8</td> </tr> <tr> <td>Z(-40°C)/Z(+20°C)</td> <td colspan="2">4</td> <td colspan="5">-</td> </tr> </table>             |                        |      |     |      |     |     | Rated Voltage(V <sub>dc</sub> ) | 160 | 200 | 250 | 350 | 400 | 450 | 500 | Z(-25°C)/Z(+20°C) | 3    |  | 6    |  | 8    |  |  | Z(-40°C)/Z(+20°C) | 4 |  | - |  |  |  |  |
| Rated Voltage(V <sub>dc</sub> )   | 160   | 200                    | 250  | 350 | 400  | 450 | 500 |                                 |     |     |     |     |     |     |     |                   |      |  |      |  |      |  |  |                   |   |  |   |  |  |  |  |
| Z(-25°C)/Z(+20°C)   | 3   |                        | 6    |     | 8    |     |     |                                 |     |     |     |     |     |     |     |                   |      |  |      |  |      |  |  |                   |   |  |   |  |  |  |  |
| Z(-40°C)/Z(+20°C)   | 4   |                        | -    |     |      |     |     |                                 |     |     |     |     |     |     |     |                   |      |  |      |  |      |  |  |                   |   |  |   |  |  |  |  |
| 耐久性<br>Load Life  | +105°C施加带额定纹波电流的额定电压 3000 小时, 恢复 24 小时后:<br>After applying rated voltage with specified ripple current for 3000 hours at +105°C and then resumed 24 hours:<br>电容量变化率 Capacitance change : ≤初始值的 ±20% ±20% of the initial value<br>损耗角正切值 Dissipation factor : ≤初始规格值的 300% 300% of the initial specified value<br>漏 电 流 Leakage current : ≤初始规格值 The initial specified value        |                        |      |     |      |     |     |                                 |     |     |     |     |     |     |     |                   |      |  |      |  |      |  |  |                   |   |  |   |  |  |  |  |
| 高温贮存<br>Shelf Life  | +105°C, 1000 小时贮存后, 加额定工作电压处理 30 分钟, 恢复 24 小时后:<br>After storage for 1000 hours at +105°C, U <sub>r</sub> to be applied for 30 minutes and then resumed 24 hours:<br>电容量变化率 Capacitance change : ≤初始值的 ±20% ±20% of the initial value<br>损耗角正切值 Dissipation factor : ≤初始规格值的 200% 200% of the initial specified value<br>漏 电 流 Leakage current : ≤初始规格值 The initial specified value |                        |      |     |      |     |     |                                 |     |     |     |     |     |     |     |                   |      |  |      |  |      |  |  |                   |   |  |   |  |  |  |  |

**外形图及尺寸 Diagram of Dimensions**



**纹波电流修正系数 Multiplier for Ripple Current**

频率系数 Frequency coefficient

| Frequency (Hz) | 50/60 | 120  | 300  | 1k   | ≥ 10K |
|----------------|-------|------|------|------|-------|
| Coefficient    | 0.75  | 1.00 | 1.20 | 1.35 | 1.50  |

温度系数 Temperature coefficient

| Temperature (°C) | +70  | +85  | +105 |
|------------------|------|------|------|
| Coefficient      | 1.80 | 1.40 | 1.00 |

标准品一览表 Standard Ratings

| U <sub>R</sub><br>(Surge Voltage)<br>Code(V) | Capacitance<br>(μF) | Size<br>ΦD×L<br>(mm) | Rated ripple<br>current<br>105°C, 120Hz<br>(mA <sub>rms</sub> ) | Max ESR<br>20°C<br>120Hz<br>(Ω) | Typ ESR<br>20°C<br>120Hz<br>(Ω) |
|--|---------------------|----------------------|---|---------------------------------|---------------------------------|
| 160<br>(200)<br>2C                           | 10                  | 10×16                | 95  | 15.9                            | 5.3                             |
|  | 22                  | 10×20                | 145   | 7.2                             | 2.4                             |
|  | 33                  | 12.5×20              | 190   | 4.8                             | 1.6                             |
|  | 47                  | 12.5×25              | 280   | 3.4                             | 1.1                             |
|  | 47                  | 16×20                | 280   | 3.4                             | 1.1                             |
|  | 100                 | 16×25                | 380   | 1.6                             | 0.5                             |
|  | 100                 | 18×20                | 380   | 1.6                             | 0.5                             |
|  | 220                 | 18×36                | 630   | 0.7                             | 0.2                             |
| 200<br>(250)<br>2D                           | 4.7                 | 10×12.5              | 60  | 33.9                            | 11.2                            |
|  | 10                  | 10×16                | 95  | 15.9                            | 5.3                             |
|  | 22                  | 10×20                | 145   | 7.2                             | 2.4                             |
|  | 33                  | 12.5×20              | 190   | 4.8                             | 1.6                             |
|  | 47                  | 12.5×25              | 280   | 3.4                             | 1.1                             |
|  | 47                  | 16×20                | 280   | 3.4                             | 1.1                             |
|  | 100                 | 16×31.5              | 410   | 1.6                             | 0.5                             |
|  | 100                 | 18×25                | 410   | 1.6                             | 0.5                             |
| 250<br>(300)<br>2E                           | 4.7                 | 10×12.5              | 60  | 33.9                            | 11.2                            |
|  | 10                  | 10×20                | 105   | 15.9                            | 5.3                             |
|  | 22                  | 12.5×25              | 180   | 7.2                             | 2.4                             |
|  | 22                  | 16×20                | 180   | 7.2                             | 2.4                             |
|  | 33                  | 12.5×25              | 250   | 4.8                             | 1.6                             |
|  | 33                  | 16×20                | 250   | 4.8                             | 1.6                             |
|  | 47                  | 16×25                | 300   | 3.4                             | 1.1                             |
|  | 47                  | 18×20                | 300   | 3.4                             | 1.1                             |
|  | 100                 | 16×31.5              | 410   | 1.6                             | 0.5                             |
|  | 100                 | 18×25                | 410   | 1.6                             | 0.5                             |
| 350<br>(400)<br>2V                           | 3.3                 | 10×12.5              | 50  | 60.3                            | 19.9                            |
|  | 4.7                 | 10×16                | 65  | 42.3                            | 14.0                            |
|  | 10                  | 12.5×20              | 120   | 19.9                            | 6.6                             |
|  | 22                  | 12.5×25              | 180   | 9.0                             | 3.0                             |
|  | 22                  | 16×20                | 180   | 9.0                             | 3.0                             |
|  | 33                  | 16×25                | 210   | 6.0                             | 2.0                             |
|  | 47                  | 16×35.5              | 300   | 4.2                             | 1.4                             |
|  | 47                  | 18×31.5              | 300   | 4.2                             | 1.4                             |
|  | 400<br>(450)<br>2G  | 2.2                  | 10×12.5   | 40                              | 90.5                            |
| 3.3  |                     | 10×16                | 50  | 60.3                            | 19.9                            |
| 4.7  |                     | 10×20                | 70  | 42.3                            | 14.0                            |
| 10   |                     | 12.5×20              | 120   | 19.9                            | 6.6                             |
| 22   |                     | 16×25                | 200   | 9.0                             | 3.0                             |
| 22   |                     | 18×20                | 200   | 9.0                             | 3.0                             |
| 33   |                     | 16×31.5              | 245   | 6.0                             | 2.0                             |
| 33   |                     | 18×25                | 245   | 6.0                             | 2.0                             |
| 47   |                     | 18×31.5              | 300   | 4.2                             | 1.4                             |
| 450<br>(500)<br>2W                           |                     | 1                    | 10×12.5   | 30                              | 265.4                           |
|  | 2.2                 | 10×16                | 45  | 120.6                           | 39.8                            |
|  | 3.3                 | 10×20                | 65  | 80.4                            | 26.5                            |
|  | 4.7                 | 12.5×20              | 80  | 56.5                            | 18.6                            |
|  | 10                  | 12.5×25              | 140   | 26.5                            | 8.8                             |
|  | 22                  | 16×25                | 220   | 12.1                            | 4.0                             |
|  | 33                  | 16×31.5              | 280   | 8.0                             | 2.7                             |
|  | 47                  | 16×31.5              | 420   | 5.6                             | 1.9                             |
|  | 68                  | 16×35.5              | 520   | 3.9                             | 1.3                             |
|  | 82                  | 18×31.5              | 580   | 3.2                             | 1.1                             |
| 500<br>(550)<br>2H                           | 100                 | 18×36                | 750   | 2.7                             | 0.9                             |
|  | 120                 | 18×40                | 800   | 2.2                             | 0.7                             |
|  | 150                 | 20×41                | 860   | 1.8                             | 0.6                             |
|  | 180                 | 22×41                | 920   | 1.5                             | 0.5                             |
|  | 1                   | 10×12.5              | 32  | 265.4                           | 106.2                           |
|  | 2.2                 | 10×16                | 49  | 120.6                           | 48.3                            |
|  | 3.3                 | 10×20                | 68  | 80.4                            | 32.2                            |
|  | 4.7                 | 12.5×20              | 84  | 56.5                            | 22.6                            |
|  | 10                  | 12.5×25              | 145   | 26.5                            | 10.6                            |
|  | 22                  | 16×25                | 230   | 12.1                            | 4.8                             |
| 33   | 16×31.5             | 295                  | 8.0   | 3.2                             |                                 |
| 47   | 18×31.5             | 415                  | 5.6   | 2.3                             |                                 |
| 68   | 18×36               | 530                  | 3.9   | 1.6                             |                                 |
| 82   | 18×40               | 590                  | 3.2   | 1.3                             |                                 |
| 100  | 20×41               | 750                  | 2.7   | 1.1                             |                                 |
| 120  | 22×41               | 810                  | 2.2   | 0.9                             |                                 |
| 150  | 22×45               | 930                  | 1.8   | 0.7                             |                                 |

可根据客户需要定制产品 Customer products are available on request.