

SKV シリーズ
SERIES

新規採用非推奨品
NOT recommended for new designs

105°C 標準品
105°C Standard

・105°C 1000時間品。
Load Life : 105°C 1000 hours.

RoHS
compliance



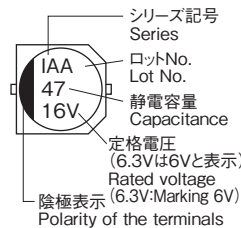
◆規格表 / SPECIFICATIONS

| 項目 Items | 特性 Characteristics | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|-------------------------------|--|------------------------------|---|-------------------------|---|----|---------------|------------------|---------|------|------|------|------|------|------|------------------|------|------|------|------|------|------|--|
| カテゴリ温度範囲 Category Temperature Range | -55~+105°C | | | | | | | | | | | | | | | | | | | | | | | | |
| 定格電圧範囲 Rated Voltage Range | 6.3~50Vdc | | | | | | | | | | | | | | | | | | | | | | | | |
| 静電容量許容差 Capacitance Tolerance | ±20% (20°C, 120Hz) | | | | | | | | | | | | | | | | | | | | | | | | |
| 漏れ電流 Leakage Current (MAX) | I=0.01CV又は3μAのいずれか大なる値以下 (定格電圧印加2分後) I=0.01CV or 3μA whichever is greater. (After 2 minutes application of rated voltage) I=漏れ電流(μA) Leakage Current C=静電容量(μF) Capacitance V=定格電圧(Vdc) Rated Voltage | | | | | | | | | | | | | | | | | | | | | | | | |
| 損失角の正接 (tanδ) Dissipation Factor (MAX) | <table border="1"> <tr> <td>定格電圧(Vdc) Rated Voltage</td> <td>6.3</td> <td>10</td> <td>16</td> <td>25</td> <td>35</td> <td>50</td> <td>(20°C, 120Hz)</td> </tr> <tr> <td rowspan="2">tanδ</td> <td>φ4~φ6.3</td> <td>0.30</td> <td>0.24</td> <td>0.20</td> <td>0.16</td> <td>0.14</td> <td>0.12</td> </tr> <tr> <td>φ8, φ10</td> <td>0.35</td> <td>0.26</td> <td>0.20</td> <td>0.16</td> <td>0.14</td> <td>0.12</td> </tr> </table> | 定格電圧(Vdc) Rated Voltage | 6.3 | 10 | 16 | 25 | 35 | 50 | (20°C, 120Hz) | tanδ | φ4~φ6.3 | 0.30 | 0.24 | 0.20 | 0.16 | 0.14 | 0.12 | φ8, φ10 | 0.35 | 0.26 | 0.20 | 0.16 | 0.14 | 0.12 | |
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| | φ8, φ10 | 0.35 | 0.26 | 0.20 | 0.16 | 0.14 | 0.12 | | | | | | | | | | | | | | | | | | |
| 耐久性 Endurance | 105°C中で1000時間定格電圧(リップル重畳)印加後、下記項目を満足すること。 After applying rated voltage with rated ripple current for 1000 hrs at 105°C, the capacitors shall meet the following requirements. <table border="1"> <tr> <td>静電容量変化率 Capacitance Change</td> <td>初期値の±30%以内 (φ8, 10 : ±25%) Within ±30% of the initial value. (φ8, 10: ±25%)</td> </tr> <tr> <td>損失角の正接 Dissipation Factor</td> <td>規格値の300%以下 (φ8, 10 : 200%) Not more than 300% of the specified value. (φ8, 10: 200%)</td> </tr> <tr> <td>漏れ電流 Leakage Current</td> <td>規格値以下 Not more than the specified value.</td> </tr> </table> | 静電容量変化率 Capacitance Change | 初期値の±30%以内 (φ8, 10 : ±25%) Within ±30% of the initial value. (φ8, 10: ±25%) | 損失角の正接 Dissipation Factor | 規格値の300%以下 (φ8, 10 : 200%) Not more than 300% of the specified value. (φ8, 10: 200%) | 漏れ電流 Leakage Current | 規格値以下 Not more than the specified value. | | | | | | | | | | | | | | | | | | |
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| 漏れ電流 Leakage Current | 規格値以下 Not more than the specified value. | | | | | | | | | | | | | | | | | | | | | | | | |
| 低温特性 Low Temperature Stability (インピーダンス比) Impedance Ratio (MAX) | <table border="1"> <tr> <td>定格電圧(Vdc) Rated Voltage</td> <td>6.3</td> <td>10</td> <td>16</td> <td>25</td> <td>35</td> <td>50</td> <td>(120Hz)</td> </tr> <tr> <td>Z(-25°C)/Z(20°C)</td> <td>4</td> <td>3</td> <td>2</td> <td>2</td> <td>2</td> <td>2</td> <td></td> </tr> <tr> <td>Z(-40°C)/Z(20°C)</td> <td>8</td> <td>8</td> <td>4</td> <td>4</td> <td>3</td> <td>3</td> <td></td> </tr> </table> | 定格電圧(Vdc) Rated Voltage | 6.3 | 10 | 16 | 25 | 35 | 50 | (120Hz) | Z(-25°C)/Z(20°C) | 4 | 3 | 2 | 2 | 2 | 2 | | Z(-40°C)/Z(20°C) | 8 | 8 | 4 | 4 | 3 | 3 | |
| 定格電圧(Vdc) Rated Voltage | 6.3 | 10 | 16 | 25 | 35 | 50 | (120Hz) | | | | | | | | | | | | | | | | | | |
| Z(-25°C)/Z(20°C) | 4 | 3 | 2 | 2 | 2 | 2 | | | | | | | | | | | | | | | | | | | |
| Z(-40°C)/Z(20°C) | 8 | 8 | 4 | 4 | 3 | 3 | | | | | | | | | | | | | | | | | | | |

◆リップル電流補正係数 / MULTIPLIER FOR RIPPLE CURRENT

| 周波数(Hz) Frequency | 60(50) | 120 | 500 | 1k | 10k≤ |
|----------------------|--------|------|------|------|------|
| 0.47~1μF | 0.50 | 1.00 | 1.20 | 1.30 | 1.50 |
| 2.2~4.7μF | 0.65 | 1.00 | 1.20 | 1.30 | 1.50 |
| 10~47μF | 0.80 | 1.00 | 1.20 | 1.30 | 1.50 |
| 100~1000μF | 0.80 | 1.00 | 1.10 | 1.15 | 1.20 |

◆表示 / MARKING





◆呼称方法 / PART NUMBER

| | | | | | |
|-----------------------|-----------------|---------------------|----------------------------------|---------------|---------------------|
| □□□ | SKV | □□□□□ | □ | □□□ | DXL |
| 定格電圧 Rated Voltage | シリーズ名 Series | 静電容量 Capacitance | 静電容量許容差 Capacitance Tolerance | 副記号 Option | ケースサイズ Case Size |

Looking for pricing, stock, or lifecycle information?

Click below to explore more details on WIN SOURCE:

-  [View 16SKV47M6.3X5.5 on WIN SOURCE](#)
-  [Rubycon Information](#)

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