

●縦型チップ低インピーダンス品

VKXシリーズ JIS C5101
CE-32
(耐洗浄品)

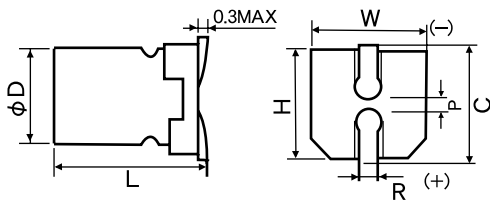
■特徴

- ・ VKXシリーズは、面実装タイプの低インピーダンス品です。

■性能/PERFORMANCE SPECIFICATIONS

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|--|--|----------|------|--------|----------|---------------|------|------|----|---------------|-----|-----------|------|------|------|------|------|------|------|------|------|----------|------|------|------|------|------|------|------|------|------|
| カテゴリ温度範囲 | CATEGORY TEMPERATURE RANGE | -55°C ~ +105°C | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 標準静電容量許容差 | STANDARD CAPACITANCE TOLERANCE | -20% ~ +20% (120Hz) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 漏れ電流 (最大値) | LEAKAGE CURRENT (MAX. VALUE) | I=0.01CV OR 3μA WHICHEVER IS THE GREATER (after 2 minutes) C=RATED CAPACITANCE (μF) V=WORKING VOLTAGE (V) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 損失角の正接 (最大値) (tan δ) | DISSIPATION FACTOR (MAX. VALUE) | <table border="1"> <tr> <td>W. V</td> <td>6.3</td> <td>10</td> <td>16</td> <td>25</td> <td>35</td> <td>50</td> <td>63</td> <td>80</td> <td>100</td> </tr> <tr> <td>φ4 ~ φ6.3</td> <td>0.24</td> <td>0.20</td> <td>0.16</td> <td>0.14</td> <td>0.12</td> <td>0.12</td> <td>0.10</td> <td>0.08</td> <td>0.07</td> </tr> <tr> <td>φ8 ~ φ16</td> <td>0.28</td> <td>0.24</td> <td>0.20</td> <td>0.16</td> <td>0.14</td> <td>0.14</td> <td>0.12</td> <td>0.10</td> <td>0.08</td> </tr> </table> <p>When the capacitance exceed 1,000μF, the value of tan δ is increased by 0.02 for each increment of 1,000μF or its fraction.</p> | W. V | 6.3 | 10 | 16 | 25 | 35 | 50 | 63 | 80 | 100 | φ4 ~ φ6.3 | 0.24 | 0.20 | 0.16 | 0.14 | 0.12 | 0.12 | 0.10 | 0.08 | 0.07 | φ8 ~ φ16 | 0.28 | 0.24 | 0.20 | 0.16 | 0.14 | 0.14 | 0.12 | 0.10 | 0.08 |
| W. V | 6.3 | 10 | 16 | 25 | 35 | 50 | 63 | 80 | 100 | | | | | | | | | | | | | | | | | | | | | | | |
| φ4 ~ φ6.3 | 0.24 | 0.20 | 0.16 | 0.14 | 0.12 | 0.12 | 0.10 | 0.08 | 0.07 | | | | | | | | | | | | | | | | | | | | | | | |
| φ8 ~ φ16 | 0.28 | 0.24 | 0.20 | 0.16 | 0.14 | 0.14 | 0.12 | 0.10 | 0.08 | | | | | | | | | | | | | | | | | | | | | | | |
| 耐久性 105°C 2000時間 定格電圧印加 (φD ≤ 6.3 : 1000時間) | ENDURANCE APPLICATION OF RATED VOLTAGE, AT 105°C FOR 2000hrs. (φD ≤ 6.3 : 1000hrs) | CAPACITANCE CHANGE : LESS THAN 25% OF THE INITIAL MEASURED VALUE. DISSIPATION FACTOR : LESS THAN 200% OF THE INITIAL SPECIFIED VALUE. LEAKAGE CURRENT : LESS THAN THE INITIAL SPECIFIED VALUE. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 低温特性 (+20°Cにおける120Hzの インピーダンスに対する比) (最大値) | LOW TEMPERATURE STABILITY (RATIO OF IMPEDANCE AT COLD TO THAT AT 20°C, 120Hz. MAX. VALUE.) | <table border="1"> <tr> <td>W. V</td> <td>6.3</td> <td>10, 16</td> <td>25 ~ 100</td> </tr> <tr> <td>-40°C / +20°C</td> <td>3</td> <td>2</td> <td>2</td> </tr> <tr> <td>-55°C / +20°C</td> <td>5</td> <td>4</td> <td>3</td> </tr> </table> | W. V | 6.3 | 10, 16 | 25 ~ 100 | -40°C / +20°C | 3 | 2 | 2 | -55°C / +20°C | 5 | 4 | 3 | | | | | | | | | | | | | | | | | | |
| W. V | 6.3 | 10, 16 | 25 ~ 100 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -40°C / +20°C | 3 | 2 | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -55°C / +20°C | 5 | 4 | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

■寸法図/DIAGRAM OF DIMENSIONS



(単位 : mm)

| φD ±0.5MAX. | L ±0.3 | W ±0.2 | H ±0.2 | C ±0.2 | R | P ±0.2 |
|-------------|------------|--------|--------|--------|-----------|--------|
| 4 | 6.0 | 4.3 | 4.3 | 5.0 | 0.5 ~ 0.8 | 1.0 |
| 5 | 6.0 | 5.3 | 5.3 | 6.0 | 0.5 ~ 0.8 | 1.4 |
| 6.3 | 6.0 | 6.6 | 6.6 | 7.3 | 0.5 ~ 0.8 | 2.2 |
| 6.3 | 7.7 | 6.6 | 6.6 | 7.3 | 0.5 ~ 0.8 | 2.2 |
| 8 | 10.2 | 8.3 | 8.3 | 9.0 | 0.7 ~ 1.0 | 3.2 |
| 10 | 10.2 | 10.3 | 10.3 | 11.0 | 1.1 ~ 1.4 | 4.6 |
| 12.5 | 13.5 ± 0.5 | 12.8 | 12.8 | 13.5 | 1.1 ~ 1.4 | 4.6 |
| 16 | 16.5 ± 0.5 | 16.3 | 16.3 | 17.0 | 1.8 ~ 2.1 | 7.0 |

■寸法表 (φD × L) SIZE TABLE (φD × L)

| μF | WV | 6.3 (0J) | 10 (1A) | 16 (1C) | 25 (1E) | 35 (1V) | 50 (1H) | 63 (1J) | 80 (1K) | 100 (2A) |
|------------|------------------------|------------------------|--------------------|------------------------|------------------------|------------------------|----------------------|----------------------|----------------------|----------------------|
| 4.7 (4R7) | | | | | | 4×6.0, 1.45, 90 | 4×6.0, 2.55, 64 | 5×6.0, 2.00, 55 | 6.3×6.0, 2.40, 45 | |
| 10 (100) | | | | | 4×6.0, 1.45, 90 | 5×6.0, 0.70, 170 | 6.3×6.0, 0.52, 215 | 6.3×6.0, 1.00, 90 | 6.3×7.7, 2.00, 65 | |
| 15 (150) | | | | 4×6.0, 1.45, 90 | 5×6.0, 0.70, 170 | 5×6.0, 0.70, 170 | | | | |
| 22 (220) | | 4×6.0, 1.45, 90 | | | | | 6.3×6.0, 0.52, 215 | 6.3×7.7, 0.80, 135 | 8×10.2, 0.90, 140 | 8×10.2, 0.90, 140 |
| 27 (270) | 4×6.0, 1.45, 90 | | | | | | | | | |
| 33 (330) | | | 5×6.0, 0.70, 170 | | | 6.3×6.0, 0.39, 250 | 6.3×6.0, 0.39, 250 | 6.3×7.7, 0.44, 243 | 8×10.2, 0.35, 280 | 8×10.2, 0.90, 140 |
| 47 (470) | 5×6.0, 0.70, 170 | | | 6.3×6.0, 0.39, 250 | 6.3×6.0, 0.39, 250 | 6.3×6.0, 0.39, 250 | 6.3×7.7, 0.44, 243 | 8×10.2, 0.35, 280 | 10×10.2, 0.50, 220 | 12.5×13.5, 0.24, 500 |
| 56 (560) | 5×6.0, 0.70, 170 | | | | 6.3×6.0, 0.39, 250 | | | | | |
| 68 (680) | | | 6.3×6.0, 0.39, 250 | 6.3×6.0, 0.39, 250 | 6.3×6.0, 0.39, 250 | 6.3×7.7, 0.30, 300 | | | | |
| 100 (101) | 6.3×6.0, 0.39, 250 | | | 6.3×6.0, 0.39, 250 | 6.3×7.7, 0.30, 300 | 8×10.2, 0.15, 600 | 8×10.2, 0.22, 400 | 10×10.2, 0.20, 480 | 12.5×13.5, 0.24, 500 | 16×16.5, 0.14, 800 |
| 150 (151) | 6.3×6.0, 0.39, 250 | 6.3×6.0, 0.39, 250 | | 6.3×7.7, 0.30, 300 | 8×10.2, 0.15, 600 | 8×10.2, 0.15, 600 | | | 12.5×13.5, 0.24, 500 | 16×16.5, 0.14, 800 |
| 220 (227) | 6.3×6.0, 0.39, 250 | 6.3×7.7, 0.30, 300 | | 6.3×7.7, 0.30, 300 | 8×10.2, 0.15, 600 | 8×10.2, 0.15, 600 | 10×10.2, 0.13, 585 | 12.5×13.5, 0.14, 800 | | |
| 330 (337) | 6.3×7.7, 0.30, 300 | 8×10.2, 0.15, 600 | | 8×10.2, 0.15, 600 | 8×10.2, 0.15, 600 | 10×10.2, 0.08, 850 | 12.5×13.5, 0.10, 800 | | 16×16.5, 0.14, 800 | |
| 470 (471) | 8×10.2, 0.15, 600 | 8×10.2, 0.15, 600 | | 8×10.2, 0.15, 600 | 10×10.2, 0.08, 850 | 12.5×13.5, 0.058, 1150 | | | 16×16.5, 0.065, 1410 | |
| 680 (681) | 8×10.2, 0.15, 600 | | | 10×10.2, 0.08, 850 | | 12.5×13.5, 0.058, 1150 | | | | |
| 1000 (102) | 8×10.2, 0.15, 600 | 10×10.2, 0.08, 850 | | | 12.5×13.5, 0.058, 1150 | | 16×16.5, 0.060, 1610 | | | |
| 1500 (152) | 10×10.2, 0.08, 850 | | | 12.5×13.5, 0.058, 1150 | | 16×16.5, 0.035, 1800 | | | | |
| 2200 (222) | | 12.5×13.5, 0.058, 1150 | | | 16×16.5, 0.035, 1800 | | | | | |
| 3300 (332) | 12.5×13.5, 0.058, 1150 | | | 16×16.5, 0.035, 1800 | | | | | | |
| 4700 (472) | | 16×16.5, 0.035, 1800 | | | | | | | | |
| 6800 (682) | 16×16.5, 0.035, 1800 | | | | | | | | | |

Case size ; φD × L (mm)

Ripple current (mA r.m.s.)
(100kHz, 105°C)

Impedance (Ω)
MAX. at 100kHz, 20°C

■品番ご指定法/ HOW TO SPECIFY ITEM NUMBER

