## ●低インピーダンス品
## UCVシリーズ

JIS C 5101
CE-04

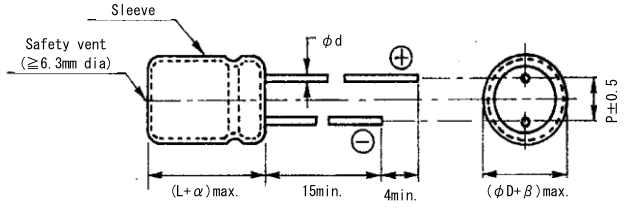
## ●LOW-IMPEDANCE TYPE
## TYPE UCV

JIS C 5101
CE-04

### ■特 徴
- 高周波超低インピーダンスを実現。
- 105℃ 3,000～6,000時間を保証。
- 基板洗浄タイプではありません。

### ■FEATURES
- This product is Ultra-low-impedance for high-frequency.
- This product is the guaranteed service life of 3,000～6,000 hours at 105℃.
- Not washable product.

### ■寸法図/DIAGRAM OF DIMENSIONS




| ΦD | 5 | 6.3 | 8 | 10 | 12.5 | | 16 | 18 |
|---|---|---|---|---|---|---|---|---|
| | | | | | L＜35 | L≧35 | | |
| F | 2 | 2.5 | 3.5 | 5.0 | 5.0 | 5.0 | 7.5 | 7.5 |
| φd | 0.5 | 0.5 | 0.6 | 0.6 | 0.6 | 0.8 | 0.8 | 0.8 |
| α | 1.5 | 1.5 | 1.5 | 1.5 | ≦35L:1.5,≧40L:2.0 | | 1.5 | 1.5 |
| β | 0.5 | | | | | | | |

### ■性 能/PERFORMANCE SPECIFICATIONS

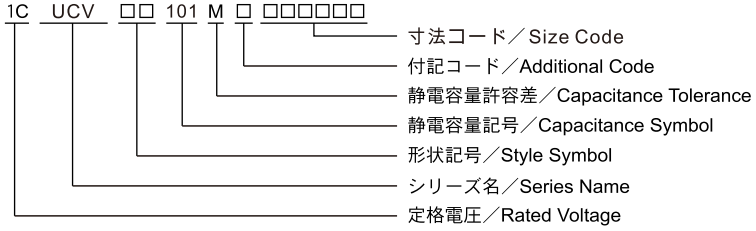
| | | |
|---|---|---|
| カテゴリ温度範囲 | CATEGORY TEMPERATURE RANGE | -40 ～ +105℃ |
| 標準静電容量許容差 | STANDARD CAPACITANCE TOLERANCE | -20 ～ +20% |
| 漏れ電流（最大値） | LEAKAGE CURRENT(MAX.VALUE) | I=0.01CV OR 3μA WHICHEVER IS THE GREATER (after 2 minutes) C=RATED CAPACITANCE(μF) V=WORKING VOLTAGE(V) |
| 損失角の正接（最大値）(tanδ) | DISSIPATION FACTOR(MAX.VALUE) (tanδ) | W.V: 6.3 / 10 / 16 / 25 / 35<br>tanδ: 0.22 / 0.19 / 0.16 / 0.14 / 0.12<br>When the capacitance exceed 1,000μF,the value of tanδ is increased by 0.02 for each increment of 1,000μF or its fraction. |
| 耐久性<br>105℃ 6,000時間<br>定格使用電圧印加<br>φ6.3:3000時間,φ8:4000時間<br>φ10:5000時間 | ENDURANCE<br>APPLICATION OF RATED OPERATING VOLTAGE,AT 105℃ FOR 6,000HOURS.<br>φ6.3: 3000Hr, φ8: 4000Hr<br>φ10:5000Hr | Capacitance Change: Within ±25% of the initial value<br>Dissipation Factor: Less than 200% of the initial specification value<br>Leakage Current: Less than the initial specification value |
| 高温無負荷特性<br>電圧を印加しないで<br>105℃ 1,000時間放置 | ENDURANCE<br>APPLICATION OF WITHOUT VOLTAGE FOR 1,000HOURS. | Capacitance Change: Within ±25% of the initial value<br>Dissipation Factor: Less than 200% of the initial specification value<br>Leakage Current: Less than 200% of the initial specification value |
| その他の特性はJIS C 5101-4に準ずる | THE OTHER CHARACTERISTICS | THE OTHER CHARACTERISTICS ARE BASED ON JIS C 5101-4. |

### ■定格リプル電流補正係数
リプル周波数が標準品一覧表の規定値と異なる場合には、下表の係数を乗じた値以下でご使用下さい。
When the ripple frequency differs from the spicification shown in the list of standard products, multiply the value with the coefficient shown below, and use the products under the obtained value.

周波数補正係数/FREQUENCY CORRECTION FACTOR

| Cap.(μF) | Frequency (Hz) | | | |
|---|---|---|---|---|
| | 120 | 1K | 10K | 100K |
| 10～68 | 0.30 | 0.55 | 0.80 | 1.00 |
| 82～220 | 0.40 | 0.60 | 0.85 | 1.00 |
| 330～820 | 0.50 | 0.65 | 0.90 | 1.00 |
| 1000～8200 | 0.60 | 0.70 | 0.95 | 1.00 |

### ■品番ご指定法／HOW TO SPECIFY ITEM NUMBER



■寸法表／CASE SIZE TABLE

■Impedance[Max.Value Ω] at 20℃ 100kHz
■Ripple Current [Max. value mA] at 105℃ 100kHz

| W.V (Vdc) | Cap. (μF) | φD×L (mm) | Impedance | Ripple Current |
|---|---|---|---|---|
| 6.3 | 220 | 5×11 | 0.230 | 360 |
| | 330 | 6.3×11 | 0.100 | 460 |
| | 470 | 6.3×11 | 0.100 | 550 |
| | 680 | 8×11.5 | 0.059 | 860 |
| | 820 | 8×11.5 | 0.059 | 990 |
| | 1000 | 10×12.5 | 0.043 | 1250 |
| | 1200 | 8×15 | 0.046 | 1330 |
| | 1200 | 10×12.5 | 0.043 | 1360 |
| | 1500 | 8×20 | 0.031 | 1550 |
| | 1800 | 10×16 | 0.030 | 1815 |
| | 2200 | 10×20 | 0.019 | 2160 |
| | 2700 | 10×25 | 0.017 | 2475 |
| | 3300 | 12.5×20 | 0.016 | 2500 |
| | 3900 | 12.5×20 | 0.016 | 2725 |
| | 4700 | 12.5×25 | 0.014 | 3190 |
| | 5600 | 12.5×35 | 0.012 | 3795 |
| | 6800 | 12.5×35 | 0.011 | 3925 |
| | 6800 | 16×20 | 0.014 | 3575 |
| | 8200 | 16×25 | 0.012 | 3990 |
| 10 | 150 | 5×11 | 0.230 | 360 |
| | 220 | 6.3×11 | 0.100 | 450 |
| | 330 | 6.3×11 | 0.100 | 550 |
| | 470 | 8×11.5 | 0.059 | 820 |
| | 680 | 8×11.5 | 0.059 | 990 |
| | 820 | 10×12.5 | 0.043 | 1250 |
| | 1000 | 10×16 | 0.039 | 1450 |
| | 1200 | 10×16 | 0.030 | 1650 |
| | 1500 | 8×20 | 0.031 | 1550 |
| | 1500 | 10×16 | 0.030 | 1815 |
| | 1800 | 10×20 | 0.019 | 2160 |
| | 2200 | 10×25 | 0.017 | 2475 |
| | 2700 | 12.5×20 | 0.016 | 2600 |
| | 3300 | 12.5×20 | 0.016 | 2725 |
| | 3900 | 12.5×25 | 0.014 | 3190 |
| | 4700 | 12.5×30 | 0.012 | 3795 |
| | 4700 | 16×20 | 0.014 | 3575 |
| | 5600 | 12.5×35 | 0.011 | 3925 |
| | 6800 | 16×25 | 0.012 | 3990 |
| 16 | 100 | 5×11 | 0.230 | 360 |
| | 150 | 6.3×11 | 0.100 | 450 |
| | 220 | 6.3×11 | 0.100 | 550 |
| | 330 | 8×11.5 | 0.059 | 830 |
| | 470 | 8×11.5 | 0.059 | 990 |
| | 680 | 8×15 | 0.046 | 1330 |
| | 680 | 10×12.5 | 0.043 | 1360 |
| | 820 | 10×16 | 0.030 | 1650 |
| | 1000 | 8×20 | 0.031 | 1550 |
| | 1000 | 10×16 | 0.030 | 1815 |
| | 1200 | 10×20 | 0.019 | 1930 |
| | 1500 | 10×20 | 0.019 | 2160 |
| | 1800 | 10×25 | 0.017 | 2475 |
| | 2200 | 12.5×20 | 0.016 | 2725 |
| | 2700 | 12.5×25 | 0.014 | 3190 |
| | 3300 | 12.5×30 | 0.012 | 3795 |
| | 3300 | 16×20 | 0.014 | 3575 |
| | 3900 | 12.5×35 | 0.011 | 3925 |
| | 4700 | 16×25 | 0.012 | 3990 |

| W.V (Vdc) | Cap. (μF) | φD×L (mm) | Impedance | Ripple Current |
|---|---|---|---|---|
| 25 | 10 | 5×11 | 0.650 | 300 |
| | 68 | 5×11 | 0.230 | 360 |
| | 100 | 6.3×11 | 0.100 | 450 |
| | 150 | 8×11.5 | 0.100 | 550 |
| | 220 | 8×15 | 0.059 | 810 |
| | 270 | 8×11.5 | 0.059 | 900 |
| | 330 | 8×11.5 | 0.059 | 990 |
| | 390 | 8×15 | 0.046 | 1330 |
| | 470 | 10×12.5 | 0.043 | 1360 |
| | 560 | 8×20 | 0.031 | 1550 |
| | 680 | 10×16 | 0.030 | 1815 |
| | 820 | 10×20 | 0.019 | 2160 |
| | 1000 | 10×25 | 0.017 | 2475 |
| | 1200 | 12.5×20 | 0.016 | 2570 |
| | 1500 | 12.5×20 | 0.016 | 2725 |
| | 1800 | 12.5×25 | 0.014 | 3190 |
| | 2200 | 12.5×30 | 0.012 | 3795 |
| | 2200 | 16×20 | 0.014 | 3575 |
| | 2700 | 12.5×35 | 0.011 | 3925 |
| | 3300 | 16×25 | 0.012 | 3990 |
| 35 | 10 | 5×11 | 0.840 | 360 |
| | 47 | 5×11 | 0.230 | 390 |
| | 68 | 6.3×11 | 0.100 | 450 |
| | 100 | 6.3×11 | 0.100 | 550 |
| | 150 | 8×11.5 | 0.059 | 820 |
| | 220 | 8×11.5 | 0.059 | 990 |
| | 220 | 8×15 | 0.048 | 1200 |
| | 270 | 8×15 | 0.046 | 1330 |
| | 330 | 10×12.5 | 0.043 | 1360 |
| | 390 | 8×20 | 0.031 | 1550 |
| | 470 | 10×16 | 0.030 | 1815 |
| | 560 | 10×20 | 0.019 | 2160 |
| | 680 | 10×25 | 0.017 | 2475 |
| | 820 | 12.5×20 | 0.016 | 2725 |
| | 1000 | 12.5×20 | 0.016 | 2920 |
| | 1200 | 12.5×25 | 0.014 | 3190 |
| | 1500 | 12.5×30 | 0.012 | 3795 |
| | 1500 | 16×20 | 0.014 | 3575 |
| | 1800 | 12.5×35 | 0.011 | 3925 |
| | 2200 | 16×25 | 0.012 | 3990 |