

●低漏れ電流105°C品

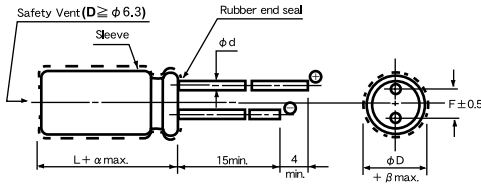
UCWL シリーズ

JIS C5101
CE-04
(耐洗浄品)

■特徴

- ・使用温度範囲を-40~+105°Cと広くした低漏れ電流品で、更に寿命特性も105°C 2,000時間を保証した高安定化アルミ電解コンデンサです。
- ・従来品より小形化され、通信機器・工業用計測器・自動車電装品等高信頼性を要求される用途に最適です。
- ・自動挿入機用テーピング製品(φ12.5X25以下)及び自立形フォーミング製品も取り揃えております。

■寸法図/DIAGRAM OF DIMENSIONS



●LOW LEAKAGE CURRENT TYPE 105°C USE

TYPE UCWL

JIS C5101
CE-04

(Washable product)

■FEATURES

- ・ Products of this type are low leakage current type aluminum electrolytic capacitors with a wide operating temperature range of -40°C to +105°C, and their life characteristic is such that 2000 hours are guaranteed at 105°C.
- ・ These capacitors are small-sized as compared with traditional ones, and are very suitable to such use which requires high reliability as telecommunication equipment, industrial measuring instrument, electrical equipment for automobile.
- ・ A series of capacitors with taped leads for automatic insertion (φ12.5X25 or less) and a series of self-standing type capacitors with formed leads are provided.

Unit : mm

φD	5	6.3	8	10	12.5	16
φd	0.5	0.5	0.6	0.6	0.6	0.8
F	2.0	2.5	3.5	5.0	5.0	7.5
β	0.5				1.0	

L < 20 α = 1.5
L ≥ 20 α = 2

■性能/PERFORMANCE SPECIFICATIONS

カテゴリ温度範囲	CATEGORY TEMPERATURE RANGE	-40°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 = 0.002CV OR 0.3μA 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> </tr> <tr> <td>tan δ</td> <td>0.25</td> <td>0.20</td> <td>0.17</td> <td>0.15</td> <td>0.13</td> <td>0.10</td> </tr> </table> <p>When the capacitance exceed 1,000 μF, the value of tan δ is increased by 0.02 for each increment of 1,000 μF or its fraction.</p>	W.V	6.3	10	16	25	35	50	tan δ	0.25	0.20	0.17	0.15	0.13	0.10										
W.V	6.3	10	16	25	35	50																				
tan δ	0.25	0.20	0.17	0.15	0.13	0.10																				
耐久性 105°C 2000時間 定格使用電圧印加 (但しφ8以下は1000時間保証)	ENDURANCE APPLICATION OF RATED OPERATING VOLTAGE, AT 105°C FOR 2000HOURS. (φD ≤ 8 : 1000Hr)	CAPACITANCE CHANGE : LESS THAN 20% 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>-25°C/+20°C</td> <td>-40°C/+20°C</td> <td>W.V</td> <td>-25°C/+20°C</td> <td>-40°C/+20°C</td> </tr> <tr> <td>6.3</td> <td>4</td> <td>10</td> <td>25</td> <td>2</td> <td>5</td> </tr> <tr> <td>10</td> <td>3</td> <td>8</td> <td>35</td> <td>2</td> <td>3</td> </tr> <tr> <td>16</td> <td>2</td> <td>6</td> <td>50</td> <td>2</td> <td>3</td> </tr> </table>	W.V	-25°C/+20°C	-40°C/+20°C	W.V	-25°C/+20°C	-40°C/+20°C	6.3	4	10	25	2	5	10	3	8	35	2	3	16	2	6	50	2	3
W.V	-25°C/+20°C	-40°C/+20°C	W.V	-25°C/+20°C	-40°C/+20°C																					
6.3	4	10	25	2	5																					
10	3	8	35	2	3																					
16	2	6	50	2	3																					
その他の特性はJIS C5101-4に準ずる	THE OTHER CHARACTERISTICS	THE OTHER CHARACTERISTICS ARE BASED ON JIS C 5101-4																								

■寸法表/CASE SIZE TABLE Unit : mm

■Ripple current [Max. Value mA r.m.s] at 105°C 120Hz.

W.V μF	6.3 (0J)		10 (1A)		16 (1C)		25 (1E)		35 (1V)		50 (1H)	
	φD×L	Ripple current	φD×L	Ripple current	φD×L	Ripple current	φD×L	Ripple current	φD×L	Ripple current	φD×L	Ripple current
1.0											5×11	10
2.2											5×11	17
3.3											5×11	21
4.7							5×11	20	5×11	23	5×11	25
10					5×11	30	5×11	35	5×11	40	5×11	43
22			5×11	40	5×11	45	5×11	50	6.3×11	59	6.3×11	75
33			5×11	50	5×11	56	6.3×11	68	6.3×11	86	8×11.5	95
47			5×11	60	6.3×11	75	6.3×11	80	8×11.5	100	8×11.5	125
100	6.3×11	91	6.3×11	98	8×11.5	128	8×11.5	138	10×12.5	186	10×16	236
220	8×11.5	155	8×11.5	172	10×12.5	220	10×16	260	10×20	333	12.5×20	424
330	10×12.5	220	10×12.5	243	10×16	299	10×20	349	12.5×20	477	12.5×20	536
470	10×12.5	263	10×16	317	10×20	386	12.5×20	470	12.5×25	636	16×25	650
1000	10×20	455	12.5×20	580	12.5×20	675	16×25	800	16×25	870		
2200	12.5×25	780	16×25	850	16×25	1000	16×31.5	1200				

■品番ご指定法/ HOW TO SPECIFY ITEM NUMBER

