

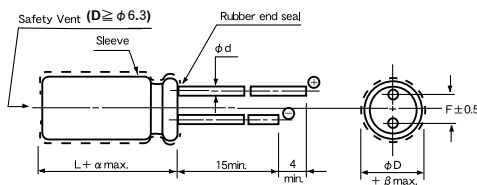
●低電圧小形化105℃品

UTWEシリーズ JIS C5101
CE-04
(耐洗浄品)

■特徴

- ・使用温度範囲が-40℃~105℃と広く、更に寿命特性も105℃、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(φ12.5×25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



Unit : mm

●LOW VOLTAGE MINIATURIZED PRODUCTS 105℃ USE

TYPE UTWE JIS C5101
CE-04
(Washable product)

■FEATURES

- ・Products of this type are highly stabilized aluminum electrolytic capacitors with a wide operating temperature range of -40℃ to +105℃, and their life characteristic is such that 2,000 hours are guaranteed at 105℃.
- ・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 (φ12.5×25 or less) and a series of self-standing type capacitors with formed leads are provided.

φD	5	6.3	8	10	12.5	16	18
φd	0.5	0.5	0.6	0.6	0.6	0.8	0.8
F	2.0	2.5	3.5	5.0	5.0	7.5	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~+105℃																											
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>100</td> </tr> <tr> <td>tan δ</td> <td>0.28</td> <td>0.24</td> <td>0.20</td> <td>0.16</td> <td>0.14</td> <td>0.12</td> <td>0.11</td> <td>0.10</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	100	tan δ	0.28	0.24	0.20	0.16	0.14	0.12	0.11	0.10									
W.V	6.3	10	16	25	35	50	63	100																					
tan δ	0.28	0.24	0.20	0.16	0.14	0.12	0.11	0.10																					
耐久性 105℃ 2000時間 定格使用電圧印加	ENDURANCE APPLICATION OF RATED OPERATING VOLTAGE, AT 105℃ FOR 2000HOURS.	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℃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℃, 120Hz. 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>100</td> </tr> <tr> <td>Z-25℃/Z+20℃</td> <td>5</td> <td>4</td> <td>3</td> <td>2</td> <td>2</td> <td>2</td> <td>2</td> <td>2</td> </tr> <tr> <td>Z-40℃/Z+20℃</td> <td>12</td> <td>10</td> <td>8</td> <td>5</td> <td>4</td> <td>3</td> <td>3</td> <td>3</td> </tr> </table>	W.V	6.3	10	16	25	35	50	63	100	Z-25℃/Z+20℃	5	4	3	2	2	2	2	2	Z-40℃/Z+20℃	12	10	8	5	4	3	3	3
W.V	6.3	10	16	25	35	50	63	100																					
Z-25℃/Z+20℃	5	4	3	2	2	2	2	2																					
Z-40℃/Z+20℃	12	10	8	5	4	3	3	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℃ 120Hz.

W.V μF	6.3 (0J)		10 (1A)		16 (1C)		25 (1E)		35 (1V)		50 (1H)		63 (1J)		100 (2A)	
	φD×L	Ripple current	φD×L	Ripple current	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	12			5×11	15
2.2											5×11	18			5×11	21
3.3											5×11	22			5×11	29
4.7								5×11	20	5×11	25	5×11	29		5×11	32
10					5×11	30	5×11	30	5×11	39	5×11	43	5×11	46	6.3×11	54
22					5×11	50	5×11	50	5×11	60	5×11	68	5×11	71	8×11.5	93
33	5×11	40	5×11	50	5×11	55	5×11	65	5×11	75	5×11	86	6.3×11	100	8×11.5	130
47	5×11	45	5×11	55	5×11	60	5×11	80	5×11	90	6.3×11	110	6.3×11	120	10×12.5	165
100	5×11	50	5×11	105	5×11	110	6.3×11	130	6.3×11	150	8×11.5	180	10×12.5	215	10×20	269
220	5×11	135	6.3×11	150	6.3×11	180	8×11.5	230	10×12.5	270	10×16	295	10×16	335	12.5×25	440
330	6.3×11	190	6.3×11	200	8×11.5	260	10×12.5	310	10×12.5	340	10×20	375	10×20	510	16×25	540
470	6.3×11	230	8×11.5	250	8×11.5	310	10×12.5	375	10×16	415	12.5×20	530	12.5×20	640	16×31.5	715
1000	10×12.5	340	10×12.5	445	10×16	510	10×20	595	12.5×20	715	12.5×25	790	16×25	930	18×40	985
2200	10×20	645	10×20	695	12.5×20	825	12.5×25	930	16×25	1110	16×35.5	1310	18×35.5	1450		
3300	12.5×20	750	12.5×20	895	12.5×25	1000	16×25	1180	16×35.5	1460	18×35.5	1580				
4700	12.5×20	965	12.5×25	1080	16×25	1220	16×31.5	1470	18×35.5	1720						
6800	12.5×25	1150	16×25	1330	16×31.5	1450	18×35.5	1830								
10000	16×25	1430	16×35.5	1650	18×35.5	1930										
15000	16×35.5	1800	18×35.5	2110												

■品番ご指定法/HOW TO SPECIFY ITEM NUMBER

