

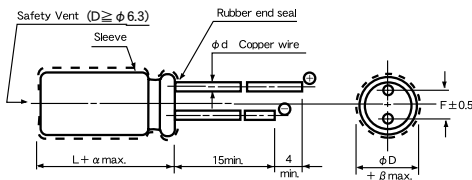
●低電圧小形化105°C品

**UTWEシリーズ** JIS C5101  
CE-04  
(耐洗浄品)

■特徴

- ・使用温度範囲が-40°C~105°Cと広く、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(φ16×30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 VOLTAGE MINIATURIZED PRODUCTS 105°C 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°C to +105°C, and their life characteristic is such that 2,000 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 (φ16×30 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	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  
L ≥ 20 α = 2

■性能/PERFORMANCE SPECIFICATIONS

カテゴリ温度範囲	CATEGORY TEMPERATURE RANGE	-40~+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)	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
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.										
耐久性 105°C 2000時間 定格使用電圧印加	ENDURANCE APPLICATION OF RATED OPERATING VOLTAGE, AT 105°C 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°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)	W.V	6.3	10	16	25	35	50	63	100
		Z-25°C/Z+20°C	5	4	3	2	2	2	2	2
		Z-40°C/Z+20°C	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

W.V μF	6.3 (0J)	10 (1A)	16 (1C)	25 (1E)	35 (1V)	50 (1H)	63 (1J)	100 (2A)
0.1~0.47	φD×L	φD×L	φD×L	φD×L	φD×L	φD×L	φD×L	φD×L
1.0						5×11		5×11
2.2						5×11		5×11
3.3						5×11		5×11
4.7				5×11	5×11	5×11		5×11
10			5×11	5×11	5×11	5×11	5×11	6.3×11
22			5×11	5×11	5×11	5×11	5×11	8×11.5
33	5×11	5×11	5×11	5×11	5×11	5×11	6.3×11	8×11.5
47	5×11	5×11	5×11	5×11	5×11	6.3×11	6.3×11	10×12.5
100	5×11	5×11	5×11	6.3×11	6.3×11	8×11.5	10×12.5	10×20
220	5×11	6.3×11	6.3×11	8×11.5	10×12.5	10×16	10×16	12.5×25
330	6.3×11	6.3×11	8×11.5	10×12.5	10×12.5	10×20	10×20	16×25
470	6.3×11	8×11.5	8×11.5	10×12.5	10×16	12.5×20	12.5×20	16×30
1000	10×12.5	10×12.5	10×16	10×20	12.5×20	12.5×25	16×25	18×40
2200	10×20	10×20	12.5×20	12.5×25	16×25	16×35	18×35	
3300	12.5×20	12.5×20	12.5×25	16×25	16×35	18×35		
4700	12.5×20	12.5×25	16×25	16×30	18×35			
6800	12.5×25	16×25	16×30	18×35				
10000	16×25	16×35	18×35					
15000	16×35	18×35						

■Ripple current (Max. Value mA) at 105°C 120Hz.

W.V μF	6.3	10	16	25	35	50	63	100
0.1~0.47						2~6		1.5~7.1
1.0						12		15
2.2						18		21
3.3						22		29
4.7						29		32
10				30	30	39	43	46
22				50	50	60	68	71
33	40	50	55	65	75	86	100	130
47	45	55	60	80	90	110	120	165
100	50	105	110	130	150	180	215	269
220	135	150	180	230	270	295	335	440
330	190	200	260	310	340	375	510	540
470	230	250	310	375	415	530	640	715
1000	340	445	510	595	715	790	930	985
2200	645	695	825	930	1110	1310	1450	
3300	750	895	1000	1180	1460	1580		
4700	965	1080	1220	1470	1720			
6800	1150	1330	1450	1830				
10000	1430	1650	1930					
15000	1800	2110						