

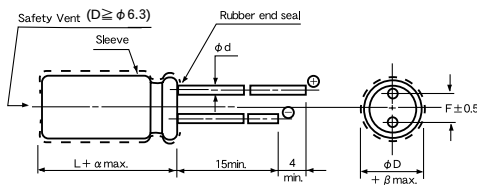
● 低压小形化 105°C 品

UTWE 系列 JIS C5101
CE-04
(耐洗净品)

■ 特长

- 使用温度范围 -40°C ~ 105°C、105°C、2,000 小时寿命品。
- 适于小型化的通讯类、工业仪器、车载电器等高信赖性要求的产品
- 可以自动插件编带品(ϕ 12.5×25 以下)及引线成型加工。

■ 寸法图/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 (ϕ 12.5×25 or less) and a series of self-standing type capacitors with formed leads are provided.

Unit : mm

ϕ D	5	6.3	8	10	12.5	16	18
ϕ d	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 $\alpha = 1.5$ L $\geq$ 20 $\alpha = 2$

■ 性能/PERFORMANCE SPECIFICATIONS

工作温度范围	CATEGORY TEMPERATURE RANGE	-40 ~ +105°C						
静电容量容许误差	STANDARD CAPACITANCE TOLERANCE	-20 ~ +20% (120Hz)						
漏电流 (最大值)	LEAKAGE CURRENT (MAX. VALUE)	I = 0.01CV OR 3 μ A WHICHEVER IS THE GREATER (after 2 minutes) C = RATED CAPACITANCE (μ F) V = WORKING VOLTAGE (V)						
损失角正切值 (最大值) (tan δ)	DISSIPATION FACTOR (MAX. VALUE)	W.V	6.3	10	16	25	35	50
		tan δ	0.28	0.24	0.20	0.16	0.14	0.12
		When the capacitance exceed 1,000 μ F, the value of tan δ is increased by 0.02 for each increment of 1,000 μ F 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 2000 HOURS.	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 阻抗比最大值 (120Hz)	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
		Z - 25°C / Z + 20°C	5	4	3	2	2	2
		Z - 40°C / Z + 20°C	12	10	8	5	4	3
其他特性参照 JIS C5101-4 标准	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	6.3 (0J)	10 (1A)	16 (1C)	25 (1E)	35 (1V)	50 (1H)	63 (1J)	100 (2A)
μ F	ϕ D × L	Ripple current	ϕ D × L	Ripple current	ϕ D × L	Ripple current	ϕ D × L	Ripple current
2.2						5 × 11	18	5 × 11
3.3						5 × 11	22	5 × 11
4.7				5 × 11	20	5 × 11	25	5 × 11
10			5 × 11	30	5 × 11	30	5 × 11	39
22			5 × 11	50	5 × 11	50	5 × 11	60
33	5 × 11	40	5 × 11	55	5 × 11	65	5 × 11	75
47	5 × 11	45	5 × 11	55	5 × 11	60	5 × 11	80
100	5 × 11	50	5 × 11	105	5 × 11	110	6.3 × 11	130
220	5 × 11	135	6.3 × 11	150	6.3 × 11	180	8 × 11.5	230
330	6.3 × 11	190	6.3 × 11	200	8 × 11.5	260	10 × 12.5	310
470	6.3 × 11	230	8 × 11.5	250	8 × 11.5	310	10 × 12.5	375
1000	10 × 12.5	340	10 × 12.5	445	10 × 16	510	10 × 20	595
2200	10 × 20	645	10 × 20	695	12.5 × 20	825	12.5 × 25	930
3300	12.5 × 20	750	12.5 × 20	895	12.5 × 25	1000	16 × 25	1180
4700	12.5 × 20	965	12.5 × 25	1080	16 × 25	1220	16 × 31.5	1470
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				

■ 料号表示方法 / HOW TO SPECIFY ITEM NUMBER

