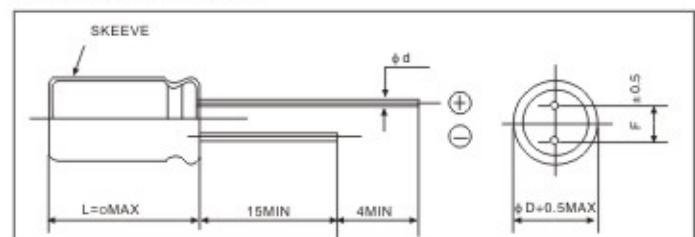



YLK series
+105°C, 7mmL Low leakage Current (低漏电流)
FEATURES

- Extremely low and stable leakage current characteristics.
- Close capacitance tolerance $\pm 20\% (\pm 10\%)$

SPECIFICATIONS

Items	Characteristics								
Category Temperature Range	-40 ~ +105°C								
Rated Voltage Range	6.3 ~ 50V.DC								
Nominal Capacitance Range	0.1 ~ 470 μF								
Capacitance Tolerance	$\pm 20\% (120Hz, +20°C)$ $I=0.01CV \text{ or } 3(\mu A)$								
Leakage Current(MAX)	after 2 minutes whichever is greater measured with rated working voltage at 20°C								
Dissipation Factor(MAX) Tan δ (20°C, 120Hz)	Rated Voltage(V)	6.3	10	16	25	35	50		
	Tan δ	0.24	0.20	0.18	0.16	0.14	0.12		
Load Life	After applying rated voltage with max ripple current for 1000 hrs at 105°C, the capacitors shall meet the following requirements								
	Capacitance Change	Within $\pm 20\%$ of the initial value							
	Dissipation Factor	Not more than 200% of the specified value							
	Leakage Current	Not more than the specified value							
Shelf Life	After leaving capacitors under no load at 105°C for 1000hrs, they meet the characteristic requirements listed at right	Capacitance change		Within $\pm 20\%$ of the initial value					
		Tan δ		$\leq 200\%$ of initial specified value					
		Leakage current		$\leq 200\%$ of initial specified value					
Low Temperature Stability Impedance Rate(MAX)	Rated Voltage(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	10	8	6	4	3	3		
Other	JISC-5141 EIAJ RC-2372								

CASE SIZE TABLE

Φ D	4	5	6.3	8
F	1.5	2.0	2.5	3.5
Φ d	0.45		0.5	
α			1.0	

Maximum Allowable Ripple Current(mA rms)at 105°C 120Hz

STANDARD RATINGS

Voltage Cap(μF)	Code	6.3V	10V	16V	25V	35V	50V
		OJ	1A	1C	1E	1V	1H
0.1	104						4x7 1.0
0.22	224						4x7 2.3
0.33	334						4x7 3.5
0.47	474						4x7 5
1.0	105						4x7 10
2.2	225						4x7 19
3.3	335						4x7 24
4.7	475						4x7 28
10	106				4x7 28 4x7 28 5x7 32 5x7 38		
22	226	4x7 34	4x7 35	4x7 39	4x7 5x7 39 48 5x7 52 6.3x7 58		
33	336	4x7 40	4x7 43	4x7 5x7 45 52 5x7 58 6.3x7 65 6.3x7 72			
47	476	4x7 48	4x7 45	4x7 5x7 52 65 5x7 6.3x7 62 71 5x7 6.3x7 69 81 8x7 90			
100	107	5x7 78	5x7 74	5x7 6.3x7 71 98 6.3x7 81 115 6.3x7 101 8x7 145 8x9 195			
220	227	6.3x7 120	6.3x7 138	6.3x7 186			
330	337	8x9 204	8x7 201	8x9 221			
470	477	8x9 243	8x9 230	8x9 228			

RIPPLE CURRENT MULTIPLIER

Cap(μF)	Frequency(Hz)				
	50	120	300	1K	10K ~
≤47	0.75	1.0	1.35	1.57	2.0
56 ~ 470	0.8	1.0	1.23	1.34	1.5