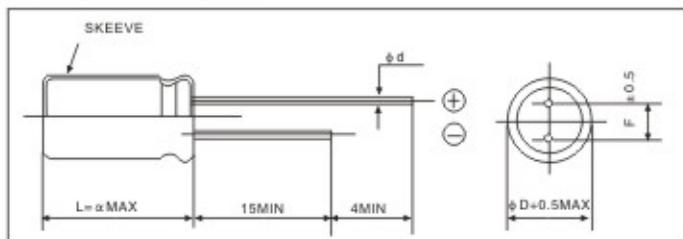



YLM series
+85°C,Low Leakage (低漏电品)
FEATURES

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

SPECIFICATIONS

Items	Characteristics								
Category Temperature Range	-40 ~ +85°C								
Rated Voltage Range	6.3 ~ 100V.DC								
Nominal Capacitance Range	0.1 ~ 6800 μ F								
Capacitance Tolerance	$\pm 20\% (120Hz,+20^\circ C)$								
Leakage Current(MAX)	$I=0.01CV$ or $3(\mu A)$ after 2 minutes whichever is greater measured with rated working voltage at $20^\circ C$								
Dissipation Factor(MAX) Tan δ ($20^\circ C$, 120Hz)	Rated Voltage(V)	6.3	10	16	25	35	50	63	100
	Tan δ	0.28	0.24	0.20	0.16	0.14	0.12	0.10	0.08
	When nominal capacitance is over $1000 \mu F$, tan δ shall be added 0.02 to the listed value with increase of every $1000 \mu F$								
Load Life	After applying rated voltage with max ripple current for 2000 hrs at $85^\circ C$, 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 $85^\circ C$ 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	63	100
	Z-25°C/Z+20°C	5	4	3	2	2	2	2	2
	Z-40°C/Z+20°C	10	8	6	4	3	3	3	3
Other	JISC-5141 EIAJ RC-2372								

CASE SIZE TABLE

ϕD	5	6.3	8	10	13	16	18
F	2.0	2.5	3.5	5.0	5.0	7.5	7.5
ϕd	0.5			0.6		0.8	
α	$L \leq 16: \alpha=1.5 \quad L \geq 20: \alpha=2.0$						

RIPPLE CURRENT MULTIPLIER

Cap(μ F)	Frequency(Hz)				
	50	120	300	1K	10K ~
≤ 47	0.75	1.00	1.35	1.57	2.00
56 ~ 4700	0.80	1.00	1.23	1.34	1.50
≥ 5600	0.85	1.00	1.10	1.13	1.15

STANDARD RATINGS

Cap(μ F)	Voltage Code	63V		10V		16V		25V	
		OJ	1A	1C	1E	5x11	45	5x11	70
4.7	475								
10	106								
22	226								
33	336								
47	476								
100	107								
220	227								
330	337								
470	477	8x12	324	8x12	351	8x12	324	10x13	425
680	687	8x12	389	8x14	395	8x14	386	10x20	576
1000	108	10x13	516	10x16	567	10x16	486	13x21	855
2200	228	10x20	765	10x20	790	10x20	710	13x25	985
3300	338	13x21	1025	13x21	1165	13x21	920	16x30	1460
4700	478	13x21	1140	13x25	1280	13x25	1270		
6800	688	13x25	1420	16x25	1450	16x30	1570		

STANDARD RATINGS

Cap(μ F)	Voltage Code	35V		50V		63V		100V	
		1V	1H	1J	2A	5x11	1.1	5x11	2.3
0.1	104								
0.22	224								
0.33	334								
0.47	474								
0.68	684								
1.0	105								
2.2	225								
3.3	335								
4.7	475	5x11	45	5x11	45				
10	106	5x11	70	5x11	70	5x11	83	6.3x11	67
22	226	5x11	105	5x11	105	6.3x11	115	8x12	117
33	336	5x11	110	6.3x11	113	6.3x11	140	8x14	130
47	476	6.3x11	126	6.3x11	135	8x12	171	10x13	185
100	107	8x12	207	8x16	225	10x13	236	10x20	370
220	227	8x14	356	10x16	396	10x20	420	13x25	510
330	337	10x13	410	10x20	597	10x20	615	16x25	670
470	477	10x20	576	13x21	684	13x21	792	16x30	780
680	687	13x21	684	13x21	765	13x25	865		
1000	108	13x21	945	16					