

# Box-type metallized polyester film capacitor[CL23 MPEB]

# SINOCAPA®

## TYPE CL23 Box-type metallized polyester film capacitor



FEATURES:  
High reliability  
Box type provides the  
identical outer appearance

SPECIFICATIONS			
Reference Standard	GB 7332(IEC 60384-2),CECC 30401-009, DIN 44112,ITT 005 10101-QS		
Climatic Category	55/100/56		
Rated Voltage	50V、63V、100V、250V、400V		
Capacitance Range	0.0010~2.2uF		
Capacitance Tolerance	±5% (J), ±10% (K), ±20% (M)		
Total Self-inductance	≈7nH * leads length:~2mm		
Voltage Proof	1.6UR (5s)		
Dissipation Factor	Frequency	CR≤0.1uF	CR>0.1uF
	1kHz	≤0.8%	≤0.8%
	10kHz	≤1.5%	≤1.5%
	100kHz	≤3.0%	-
Insulation Resistance	UR>100V	≥30 000MΩ	(20°C,100V,1min)
	UR≤100V	≥15000MΩ,CR≤0.33uF 20°C,10V,1min ≥5000S,CR>0.33uF 20°C,10V,1min	
Maximum Pulse Rise Time(dv/dt) If the working voltage(U) is lower than the rated voltage(UR), the capacitor can be worked at a higher dv/dt. In this case, the maximum allowed dv/dt is obtained by multiplying the right value with UR/U.	UR(V)	dv/dt(V/us)	
	50	25	
	63	25	
	100	30	
	250	40	
400	80		
reliability (DIN 40040) Application Condition: Temperature (40°C),Voltage(0.5×UR) Failure Rate: ≤1Fit Failure Criteria (DIN 44122):Short or open circuit ; Capacitance change(ΔC/C>±10%); Dissipation factor change (Δtgδ>2× initial limit); Insulation resistance(<0.005×initial limit).			

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<b>DIMENSIONS &amp; CURRENT VS. FREQUENCY TABLE</b> Pattern I																				
Capacitance uF	50V				63V				100V				250V				400V			
	W	H	T	P	W	H	T	P	W	H	T	P	W	H	T	P	W	H	T	P
0.0010	7.2	6.5	2.5	5.0	7.2	6.5	2.5	5.0	7.2	6.5	2.5	5.0	7.2	6.5	2.5	5.0	7.2	6.5	2.5	5.0
0.0015	7.2	6.5	2.5	5.0	7.2	6.5	2.5	5.0	7.2	6.5	2.5	5.0	7.2	6.5	2.5	5.0	7.2	6.5	2.5	5.0
0.0022	7.2	6.5	2.5	5.0	7.2	6.5	2.5	5.0	7.2	6.5	2.5	5.0	7.2	6.5	2.5	5.0	7.2	6.5	2.5	5.0
0.0033	7.2	6.5	2.5	5.0	7.2	6.5	2.5	5.0	7.2	6.5	2.5	5.0	7.2	6.5	2.5	5.0	7.2	6.5	2.5	5.0
0.0047	7.2	6.5	2.5	5.0	7.2	6.5	2.5	5.0	7.2	6.5	2.5	5.0	7.2	6.5	2.5	5.0	7.2	6.5	2.5	5.0
0.0068	7.2	6.5	2.5	5.0	7.2	6.5	2.5	5.0	7.2	6.5	2.5	5.0	7.2	6.5	2.5	5.0	7.2	6.5	3.0	5.0
0.010	7.2	6.5	2.5	5.0	7.2	6.5	2.5	5.0	7.2	6.5	2.5	5.0	7.2	6.5	2.5	5.0	7.2	7.5	3.5	5.0
0.015	7.2	6.5	2.5	5.0	7.2	6.5	2.5	5.0	7.2	6.5	2.5	5.0	7.2	6.5	2.5	5.0	7.2	9.5	4.5	5.0
0.022	7.2	6.5	2.5	5.0	7.2	6.5	2.5	5.0	7.2	6.5	2.5	5.0	7.2	6.5	3.0	5.0	7.2	9.5	4.5	5.0
0.033	7.2	6.5	2.5	5.0	7.2	6.5	2.5	5.0	7.2	6.5	2.5	5.0	7.2	7.5	3.5	5.0	7.2	10.0	5.0	5.0
0.047	7.2	6.5	2.5	5.0	7.2	6.5	2.5	5.0	7.2	6.5	3.0	5.0	7.2	9.5	4.5	5.0	7.2	11.0	6.0	5.0
0.068	7.2	6.5	2.5	5.0	7.2	6.5	2.5	5.0	7.2	7.5	3.5	5.0	7.2	9.5	4.5	5.0				
0.10	7.2	6.5	2.5	5.0	7.2	6.5	2.5	5.0	7.2	7.5	3.5	5.0	7.2	11.0	6.0	5.0				
0.15	7.2	6.5	3.0	5.0	7.2	7.5	3.5	5.0	7.2	9.5	4.5	5.0	7.2	13.0	7.2	5.0				
0.22	7.2	7.5	3.5	5.0	7.2	7.5	3.5	5.0	7.2	10.0	5.0	5.0	7.2	13.0	7.2	5.0				
0.33	7.2	7.5	3.5	5.0	7.2	9.5	4.5	5.0												
0.47	7.2	9.5	4.5	5.0	7.2	10.0	5.0	5.0												
0.68	7.2	10.0	5.0	5.0	7.2	11.0	6.0	5.0												
1.0	7.2	11.0	6.0	5.0																

<b>DIMENSIONS &amp; CURRENT VS. FREQUENCY TABLE</b> Pattern II													
Capacitance uF	50V				63V				100V				
	W	H	T	P	W	H	T	P	W	H	T	P	
0.047										7.2	6.5	2.5	5.0
0.068						7.2	6.5	2.5	5.0	7.2	6.5	3.0	5.0
0.10						7.2	6.5	2.5	5.0	7.2	7.5	3.5	5.0
0.15	7.2	6.5	2.5	5.0	7.2	6.5	2.5	5.0	7.2	9.5	4.5	5.0	
0.22	7.2	6.5	3.0	5.0	7.2	7.5	3.5	5.0	7.2	10.0	5.0	5.0	
0.33	7.2	6.5	3.0	5.0	7.2	7.5	3.5	5.0	7.2	11.0	6.0	5.0	
0.47	7.2	7.5	3.5	5.0	7.2	9.5	4.5	5.0	7.2	11.0	6.0	5.0	
0.68	7.2	9.5	4.5	5.0	7.2	10.0	5.0	5.0					
1.0	7.2	10.0	5.0	5.0	7.2	11.0	6.0	5.0					
1.5	7.2	11.0	6.0	5.0	7.2	13.0	7.2	5.0					
2.2	7.2	13.0	7.2	5.0									

[HOW TO ORDER\(SEE CL23B\)](#)