

CL21 (MEF) Metallized Polyester Film Capacitor

RoHS COMPLIANT



Reference Standard

GB7332 (IEC384-2)

Structures

Material: Polyester film
 Electrode: Metallized Vacuum Evaporated Layer
 (With complexing jumbo-size Zinc and Aluminum)
 Enveloped with Fire-proof Epoxy Resin (UL94V-0)

Using area

DC and Low Pulse Circuit.
 E.g. Low Frequency Filter, Blocking of DC and
 By-pass. Please do not use in the AC, filtering, Oscillation
 and high frequency circuits.

Features:

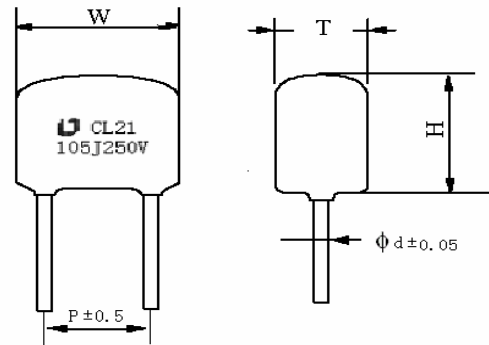
Small Size with good self-healing effect. Impulse
 Strength with high impact

Please Choosing the CBB21 if the rated voltage is
 higher than 250V

Specification

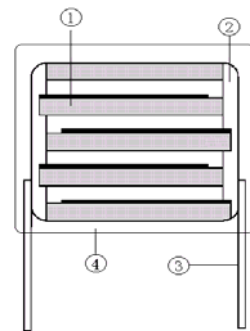
Climate Conditions	-40--+85°C					
VDC Rated Voltage	100V、250V、400V、					
Capacitance Range	0.0022μF-12μF					
Capacitance Tolerance	±5% ±10%					
Testing Voltage	1.6UR (5S)					
Insulation Resistance and Time Consistence	≤0.33μF	≥7500MΩ				
	>0.33μF	≥2500S (MΩ.μF)				
Dissipation Factor	≤0.01 1kHz 20°C					
Climate Category	Temperature: 40±2°C Humidity: 93%RH Lasting Time: 21 d There is no visible damage with the clearly mark. Capacitance: ΔC/C≤5% Dissipation Factor (1KHz): Increasing≤0.005 Insulation Resistance: ≥ 50% of Rated					
Endurance Test	+85°C, 1000h Applying Voltage: 1.25×UR: Capacitance: ΔC/C≤10% IR Insulation Resistance: ≥50% of Rated					
dv/dt (v/μs)	Pitch	10	15	20	25	31
	250V	20	10	8	5	5
	400V	50	20	10	8	8

Outline Drawing



Pitch mm	10	15	22.5	27.5	31
The Diameter of the Pins mm	0.6	0.6/0.8	0.8	0.8	0.8

Structures



Explanations:

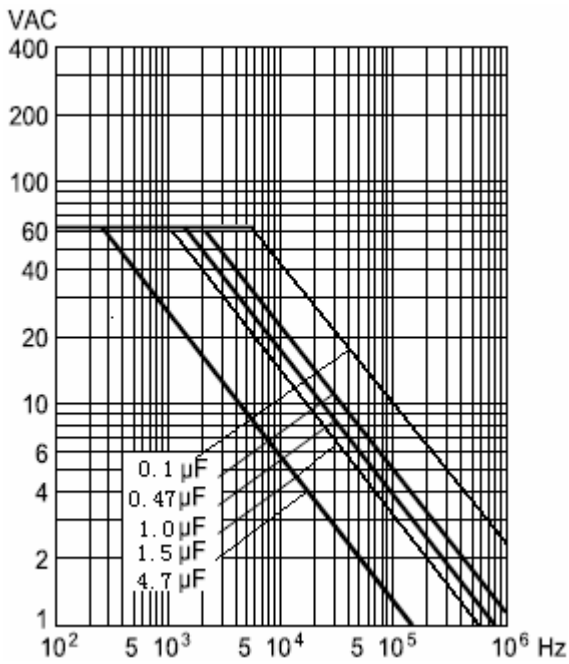
- ① Metallized Polyester Film
- ② Metal Spray Layer
- ③ CP Leads
- ④ Epoxy Resin
- ⑤ ROHS Compliant

The exchanging of AC and DC

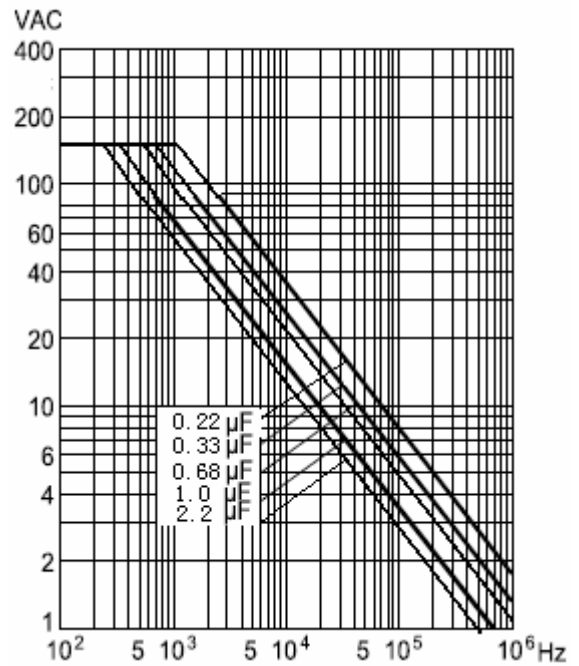
DC	100VDC	250VDC	400VDC
AC	63VAC	160VAC	200VAC

■The Relationship of AC Voltage Proof and Frequency

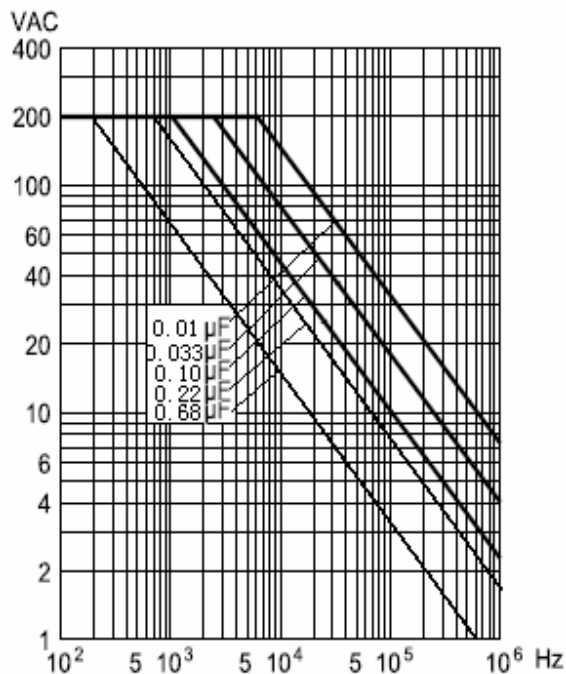
100VDC/63VAC



250VDC/160VAC



400VDC/200VAC





Metallized Polyester Film and Film Capacitors

CL21 (MEF) Dimension Lists

Cap.	Part No.	Dimensions (mm)				Pitch (mm)	Cap.	Part No.	Dimensions (mm)				Pitch (mm)	Cap.	Part No.	Dimensions (mm)				Pitch (mm)
		W±1.0	T ±1.0	H±1.0					W±1.0	T ±1.0	H±1.0					W±1.0	T ±1.0	H±1.0		
100VDC						250VDC						400VDC								
104	MEF104K(J)110030700	9	3.7	7.2	7.5	222	MEF222K(J)213040700	13	3.8	7.3	10	222	MEF222K(J)413040700	13	3.8	7.3	10			
104	MEF104K(J)110040900	9	4.2	9.2	7.5	272	MEF272K(J)213040700	13	3.8	7.3	10	272	MEF272K(J)413030600	13	3.8	7.3	10			
104	MEF104K(J)113030800	13	4.0	9.0	10	332	MEF332K(J)213030700	13	3.8	7.3	10	332	MEF332K(J)413030700	13	3.8	7.3	10			
124	MEF124K(J)110040800	9	4.0	8.0	7.5	392	MEF392K(J)213030600	13	3.8	7.3	10	392	MEF392K(J)413030600	13	3.8	7.3	10			
124	MEF124K(J)110040900	9	4.5	9.5	7.5	472	MEF472K(J)213030700	13	3.8	7.3	10	472	MEF472K(J)413030700	13	3.8	7.3	10			
124	MEF124K(J)113040900	13	4.3	9.3	10	562	MEF562K(J)210030600	9	3.8	7.3	7.5	562	MEF562K(J)410030600	9	3.8	7.3	7.5			
154	MEF154K(J)110040800	9	4.2	8.5	7.5	562	MEF562K(J)213040700	13	4.0	8.0	10	562	MEF562K(J)413040700	13	4.0	8.0	10			
154	MEF154K(J)110051000	9	5.5	10.5	7.5	682	MEF682K(J)210030700	9	3.8	7.3	7.5	682	MEF682K(J)410030700	9	3.8	7.3	7.5			
154	MEF154K(J)113040900	13	5.0	10.0	10	682	MEF682K(J)213040700	13	4.0	9.0	10	682	MEF682K(J)413040700	13	4.0	9.0	10			
184	MEF184K(J)110040900	9	4.5	8.7	7.5	822	MEF822K(J)210040700	9	3.8	7.3	7.5	822	MEF822K(J)410040700	9	3.8	7.3	7.5			
184	MEF184K(J)113051000	13	5.5	10.5	10	822	MEF822K(J)213040700	13	3.8	7.3	10	822	MEF822K(J)413040700	13	3.8	7.3	10			
224	MEF224K(J)110040700	9	5.0	8.5	7.5	103	MEF103K(J)210040800	9	3.9	8.0	7.5	103	MEF103K(J)410040800	9	3.9	8.0	7.5			
224	MEF224K(J)110050900	9	5.2	9.5	7.5	103	MEF103K(J)213040800	13	3.9	8.0	10	103	MEF103K(J)413040800	13	3.9	8.0	10			
224	MEF224K(J)113040900	13	4.2	9.2	10	123	MEF123K(J)210040900	9	4.0	8.3	7.5	123	MEF123K(J)410040800	9	4.0	8.3	7.5			
224	MEF224K(J)113051000	13	6.0	11.0	10	123	MEF123K(J)213040800	13	4.0	8.3	10	123	MEF123K(J)413040800	13	4.0	8.3	10			
274	MEF274K(J)110040700	9	5.4	8.9	7.5	153	MEF153K(J)210040900	9	4.0	9.0	7.5	153	MEF153K(J)410040900	9	4.0	9.0	7.5			
274	MEF274K(J)113040700	13	3.4	8.4	10	153	MEF153K(J)213040800	13	3.8	8.0	10	153	MEF153K(J)413040800	13	3.8	8.0	10			
274	MEF274K(J)110051000	9	6.5	11.7	7.5	183	MEF183K(J)210040700	9	4.1	8.3	7.5	183	MEF183K(J)410040700	9	4.1	8.3	7.5			
274	MEF274K(J)113040900	13	4.5	9.5	10	183	MEF183K(J)213040800	13	4.1	8.3	10	183	MEF183K(J)413040800	13	4.1	8.3	10			
274	MEF274K(J)113061100	13	6.5	11.7	10	223	MEF223K(J)210040800	9	3.8	8.0	7.5	223	MEF223K(J)410040800	9	3.8	8.0	7.5			
334	MEF334K(J)110040800	9	4.3	9.2	7.5	223	MEF223K(J)213030800	13	3.8	8.0	10	223	MEF223K(J)413030800	13	3.8	8.0	10			
334	MEF334K(J)113040700	13	3.8	8.7	10	273	MEF273K(J)210040900	9	4.0	9.0	7.5	273	MEF273K(J)410040900	9	4.0	9.0	7.5			
334	MEF334K(J)113051000	13	5.3	10.5	10	273	MEF273K(J)213040900	13	4.0	9.0	10	273	MEF273K(J)413040900	13	4.0	9.0	10			
334	MEF334K(J)119051000	18	5.5	10.6	15	333	MEF333K(J)210040900	9	4.3	9.3	7.5	333	MEF333K(J)410040900	9	4.3	9.3	7.5			
334	MEF334K(J)113061100	13	7.5	13.0	10	333	MEF333K(J)213040900	13	4.3	9.3	10	333	MEF333K(J)413040900	13	4.3	9.3	10			
394	MEF394K(J)110050900	9	6.3	9.9	6	393	MEF393K(J)210040900	9	4.7	9.7	7.5	393	MEF393K(J)410040900	9	4.7	9.7	7.5			
394	MEF394K(J)113040800	13	5.6	9.0	10	393	MEF393K(J)213040900	13	4.5	9.5	10	393	MEF393K(J)413040900	13	4.5	9.5	10			
394	MEF394K(J)113051000	13	5.5	10.8	10	473	MEF473K(J)210040900	9	4.1	8.4	7.5	473	MEF473K(J)410040900	9	4.1	8.4	7.5			
394	MEF394K(J)119051000	18	6.0	11.0	15	473	MEF473K(J)213030800	13	4.0	8.7	10	473	MEF473K(J)413030800	13	4.0	8.7	10			
474	MEF474K(J)110050900	9	6.5	10.8	7.5	563	MEF563K(J)210040900	9	4.2	9.2	7.5	563	MEF563K(J)410040900	9	4.2	9.2	7.5			
474	MEF474K(J)113050800	13	6.2	9.7	10	563	MEF563K(J)213040900	13	4.0	9.1	10	563	MEF563K(J)413040900	13	4.0	9.1	10			
474	MEF474K(J)113061100	13	6.3	11.3	10	683	MEF683K(J)210040900	9	4.5	9.6	7.5	683	MEF683K(J)410040900	9	4.5	9.6	7.5			
474	MEF474K(J)119040900	18	4.5	9.5	15	683	MEF683K(J)213040900	13	4.4	9.4	10	683	MEF683K(J)413040900	13	4.4	9.4	10			
474	MEF474K(J)119051200	18	5.7	12.5	15	823	MEF823K(J)210030800	9	4.0	9.0	7.5	823	MEF823K(J)413040900	13	5.2	10.0	10			
564	MEF564K(J)110050800	9	6.0	10.4	7.5	823	MEF823K(J)213030700	13	4.0	8.5	10	104	MEF104K(J)413051000	13	5.5	10.5	10			
564	MEF564K(J)113050900	13	6.2	10.6	10	104	MEF104K(J)210040900	9	4.2	9.2	7.5									
564	MEF564K(J)119051000	18	5.2	10.3	15	104	MEF104K(J)213030800	13	4.0	9.0	10									
564	MEF564K(J)119061300	18	6.4	13.0	15	124	MEF124K(J)210040900	9	4.5	9.5	7.5									
684	MEF684K(J)110061100	9	6.5	10.9	7.5	124	MEF124K(J)213040900	13	4.3	9.3	10									
684	MEF684K(J)113051000	13	6.7	11.0	10	154	MEF154K(J)210051000	9	5.5	10.5	7.5									
684	MEF684K(J)119051000	18	5.6	10.8	15	154	MEF154K(J)213040900	13	5.0	10.0	10									
824	MEF824K(J)113061100	13	6.9	12.0	10	184	MEF184K(J)210040900	9	4.5	8.7	7.5									
824	MEF824K(J)119061100	18	6.5	11.5	15	184	MEF184K(J)213051000	13	5.5	10.5	10									
105	MEF105K(J)113061100	13	7.5	12.6	10	224	MEF224K(J)213051000	13	6.0	11.0	10									
105	MEF105K(J)119061100	18	7.0	12.4	15	274	MEF274K(J)213061100	13	6.5	11.7	10									
125	MEF125K(J)113071200	13	8.1	13.2	10	334	MEF334K(J)213061100	13	7.5	13.0	10									
125	MEF125K(J)119061300	18	7.2	14.2	15	334	MEF334K(J)219051000	18	5.5	10.6	15									
155	MEF155K(J)119071400	18	8.0	15.0	15	394	MEF394K(J)219051000	18	6.0	11.0	15									
155	MEF155K(J)124061300	23	7.0	13.3	20	474	MEF474K(J)219051200	18	5.7	12.5	15									
185	MEF185K(J)119081500	18	8.9	15.9	15	564	MEF564K(J)219061300	18	6.4	13.0	15									
185	MEF185K(J)124071300	23	7.3	14.3	20	684	MEF684K(J)224061100	23	7.2	12.3	20									
205	MEF205K(J)119091600	18	10.0	16.7	15	824	MEF824K(J)224061300	23	7.6	12.7	20									
205	MEF205K(J)124071400	23	7.7	14.7	20	105	MEF105K(J)224061300	23	7.8	14.5	20									
225	MEF225K(J)119101600	18	10.3	17.0	15	125	MEF125K(J)224071400	23	8.4	15.4	20									

