

Metallized Polyester Capacitor

Type: **MEF (CL21)**

Non-inductive construction using Metallized polyester film with epoxy coating.

** Flame retardant as request by red epoxy resin seal.



• Features

- * Self-healing property
- * Excellent electrical characteristics

• Applications

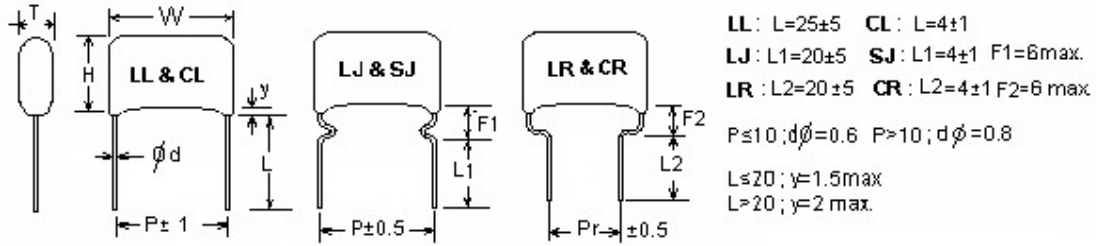
- * Pulse, logic and timing circuits
- * DC blocking, by-pass and coupling
- * Automatic machines working at high temperature
 - ◆ Please contact us using in applications such as Counter, Igniter circuits etc.

• Explanation of Part Numbers

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
M	C	L	2	1												
Type			Rated volt.			Capacitance			Cap.Tol.	Pitch		Colour	Code			
									↓			↓				
									↓			↓				
									J	± 5%	B	Blue				
									K	± 10%	R	Red (flame retardant)				
									M	± 20%						

Category temp. range	- 40°C ~ +105°C						
Rated voltage	63VDC, 100VDC, 250VDC, 400VDC, 630VDC						
Capacitance range	0.001 ~ 22μF (at: 20°C, 1KHZ)						
Capacitance tolerance	J (± 5%), K (±10%), M(±20%)						
Dissipation factor	C _R ≤1μF: 1.3% max (20°C /10KHZ)						
	C _R >1μF: 1.0% max (20°C /1KHZ)						
Withstand voltage	1.6 V _R 2s						
Maximum pulse slope at V _R	U _R	63V	100V	250V	400V	630V	dV/dt
	P=5, 7.5	18	35	90	140	140	V/μs
	P=10	13	28	70	110	140	V/μs
	P=15	10	20	28	44	70	V/μs
	P=22.5	4	8	12	20	28	V/μs
	P=27.5	3	7	10	16	24	V/μs
Insulation resistance	63VDC, 100VDC:	C _R ≤0.33μF 7500MΩ min		(20°C/10VDC/60s)			
		C _R >0.33μF 2500 s min					
	250VDC, 400VDC:	C _R ≤0.33μF 15000MΩ min		(20°C/100VDC/60s)			
	C _R >0.33μF 5000 s min						
	630VDC, 1000VDC:	C _R ≤0.33μF 15000MΩ min		(20°C/500VDC/60s)			
	C _R >0.33μF 5000 s min						

• **Form**



• **Dimensions..... MEF (CL21)**

unit: mm

Cap.	Code	63VDC			100VDC			250VDC			400VDC			630VDC		
		W	H	T	W	H	T	W	H	T	W	H	T	W	H	T
		max	max	max	max	max	max	max	max	max	max	max	max	max	max	max
1nF	102	W	8	11	13	18	26	31						8	6.3	4.5
1.5nF	152	P	5	7.5	10	15	22.5	27.5						8	6.3	4.5
2.2nF	222	dφ	0.5	0.6	0.6	0.8	0.8	0.8						8	6.7	4.8
3.3nF	332													8	6.8	4.8
4.7nF	472										8	7	5	8	7.7	5.8
6.8nF	682										8	7	5	11	9	4.8
10nF	103										8	7	5	11	9	5
10nF	103										8	7	5	13	9	5
15nF	153										8	7	5	13	10	5.5
22nF	223							8	7	4.5	8	8.5	5.2	13	9	5
33nF	333							8	7.5	5.5	11	8.5	5	13	10	5.5
47nF	473							8	9	5.5	11	9	5.5	13	10.5	6.2
47nF	473							11	8	4.5	13	9.5	5			
68nF	683				8	7	4.5	11	9.1	5.2	11	10.5	6.5	13	12	7.2
68nF	683							13	10.4	5.8	13	10.5	6	18	11.5	6.5
0.1μF	104	8	7	4.5	8	7.5	5	8	8.5	5.5	13	11	6.5	13	13.5	8.5
0.1μF	104							11	9.5	5.5				18	12.5	7
0.15μF	154	8	7.5	4.5	11	8.5	4.5	13	10.5	6	13	12.5	7.8	18	13.5	7
0.15μF	154										18	11	6			
0.22μF	224	8	8	5	11	9	5	13	11	7.5	18	13	7	18	15.5	8.5
0.22μF	224				13	9	5	18	10	5.5				26	13.5	7
0.33μF	334	8	8	4.5	13	9.5	6	18	11	6.5	18	14	7.5	26	16	7.5
0.33μF	334	11	8	4.8							26	12	6.5			
0.47μF	474	8	8.5	5	11	9.5	5	18	12.5	7.5	18	16	8.5	26	18	9
0.47μF	474	11	9	5.1	13	10.5	6.5				26	13	8			
0.68μF	684	13	9.6	5	18	12	5.5	18	14	8.5	26	16	8	26	20	10.6
0.68μF	684							26	13.5	6.5				31	18.5	10
1μF	105	8.5	11	6.5	13	17	7.5	18	17	9.5	26	18.5	9.5			
1μF	105	13	11	5.7	18	12.5	7	26	15	8	31	18	8.5	31	22	11.2
1.5μF	155	13	12	7	18	15	7.5	26	16	9.6	26	21	11			
1.5μF	155							31	15	7.5	31	20	10	31	24.5	13.5
2.2μF	225	18	13	6.1	18	16.5	9	31	20	10	31	22	12	31	27.2	16.5
3.3μF	335	18	14.5	7.5	26	17	8.5	31	21.5	12	31	26	14.5			
4.7μF	475	26	15	7.5	26	19	10.5	31	24.5	13.5	31	29	17.5			
6.8μF	685	26	17.5	8.5	31	21	10.5	31	27.5	16.5						
10μF	106	26	19	10.5	31	29	13.5	31	31	20						
10μF	106	31	18.5	9.5												
15μF	156	26	22.5	12												
15μF	156	31	21.8	11												
22μF	226	31	24	13.5												

Inquiry for capacitance/dimension not listed, please contact with us.