

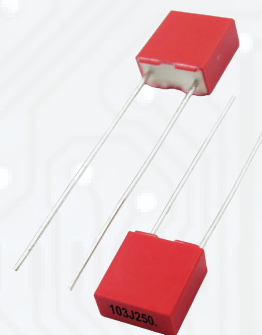
MINI BOX TYPE MET POLYPROPYLENE FILM CAPACITOR

- CFMM SERIES -



FEATURES

- High reliability at high current stress.
- Self-healing properties.
- Flame retardant plastic case and epoxy resin.
- Low losses, high dv/dt capability
- High moisture resistance
- High stability of capacitance and long life.

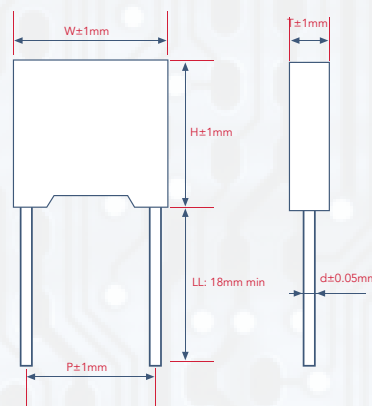


SPECIFICATIONS

- Operating Temperature: $-40^{\circ}\text{C} \sim +85^{\circ}\text{C}$
- Rated Voltage: 100V, 250V, 400V, 630, 1000VDC
- Capacitance Range: $0.001 \sim 1 \mu\text{F}$
- Capacitance Tolerance: $\pm 5\%$
- Insulation Resistance: $C \leq 0.33\mu\text{F}$; $\text{IR} \geq 50000 \text{ Mohm}$
 $C > 0.33\mu\text{F}$; $\text{IR} \geq 15000 \text{ Mohm}$
- Dissipation Factor: 0.1% max. at 1KHz, 20°C
- Dielectric Strength: 160% of rated voltage for 5 sec.



DIMENSIONS



PART NUMBERING

CFMM	2A	102	J	050	000	B
SERIES	VOLTAGE	CAPACITANCE	TOLERANCE	PITCH	LEAD LENGTH	PACKING
CFMM	50V - 1H 63V - 1J 100V - 2A 160V - 2C 200V - 2D 250V - 2E 300V - 2L 360V - 2N 400V - 2G 600V - 2U 630V - 2J 700V - 2M 900V - 1X 1,000V - 3A 1,250V - 3B 1,600V - 3C 2,000V - 3D 3,000V - 3F 9,000 - 3X 125VAC - B2 150VAC - D0 250VAC - A3 275VAC - A1 300VAC - A2 305VAC - A8 310VAC - A9 320VAC - K2 330VAC - R1 350VAC - R2 400VAC - A4 440VAC - A5 450VAC - A6 475VAC - S3 480VAC - A7 500VAC - H2 630VAC - J2	10pF - 100 100pF - 101 1000pF - 102 0.01μF - 103 0.1μF - 104 1μF - 105 10μF - 106	$\pm 1\%$ F $\pm 2\%$ G $\pm 3\%$ E $\pm 5\%$ J $\pm 10\%$ K	Axial 000 3.5 035 4.0 040 4.5 045 5.0 050 6.0 060 7.0 070 8.0 080 8.5 085 9.0 090 9.5 095 10.0 100 10.5 105 11.0 115 11.5 120 12.0 125 13.0 130 15.0 150 15.5 155 20.0 200 20.5 205 21.0 210 22.5 225 26.5 265 27.5 275	Standard 000 CUT LEAD LENGTH 3.5 035 4.0 040 4.5 045 5.0 050 6.0 060 LONG LEAD LENGTH 25 250 30 300 35 350	Ammo A Bulk B Tape & Reel R

*NOTE for Lead-Free: Cal-Chip is beginning to phase in Lead-Free products. Upon checking availability with the factory, please specify "LF" at the end of the part number.



STANDARD SIZE

STANDARD SIZE										
μF	100 VDC					250 VDC				
	W	H	T	P	d	W	H	T	P	d
	± 1.0	± 1.0	± 1.0	± 1.0	± 0.05	± 1.0	± 1.0	± 1.0	± 1.0	± 0.05
0.001	7.2	7.5	3.5	5	0.5	7.2	7.5	3.5	5	0.5
	10	9	4	7.5	0.5	10	9	4	7.5	0.5
0.0012	7.2	7.5	3.5	5	0.5	7.2	7.5	3.5	5	0.5
	10	9	4	7.5	0.5	10	9	4	7.5	0.5
0.0015	7.2	7.5	3.5	5	0.5	7.2	7.5	3.5	5	0.5
	10	9	4	7.5	0.5	10	9	4	7.5	0.5
0.0018	7.2	7.5	3.5	5	0.5	7.2	7.5	3.5	5	0.5
	10	9	4	7.5	0.5	10	9	4	7.5	0.5
0.0022	7.2	7.5	3.5	5	0.5	7.2	7.5	3.5	5	0.5
	10	9	4	7.5	0.5	10	9	4	7.5	0.5
0.0027	7.2	7.5	3.5	5	0.5	7.2	7.5	3.5	5	0.5
	10	9	4	7.5	0.5	10	9	4	7.5	0.5
0.0033	7.2	7.5	3.5	5	0.5	7.2	7.5	3.5	5	0.5
	10	9	4	7.5	0.5	10	9	4	7.5	0.5
0.0039	7.2	7.5	3.5	5	0.5	7.2	7.5	3.5	5	0.5
	10	9	4	7.5	0.5	10	9	4	7.5	0.5
0.0047	7.2	7.5	3.5	5	0.5	7.2	7.5	3.5	5	0.5
	10	9	4	7.5	0.5	10	9	4	7.5	0.5
0.0056	7.2	7.5	3.5	5	0.5	7.2	7.5	3.5	5	0.5
	10	9	4	7.5	0.5	10	9	4	7.5	0.5
0.0068	7.2	7.5	3.5	5	0.5	7.2	7.5	3.5	5	0.5
	10	9	4	7.5	0.5	10	9	4	7.5	0.5
0.0082	7.2	7.5	3.5	5	0.5	7.2	7.5	3.5	5	0.5
	10	9	4	7.5	0.5	10	9	4	7.5	0.5
0.01	7.2	7.5	3.5	5	0.5	7.2	7.5	3.5	5	0.5
	10	9	4	7.5	0.5	10	9	4	7.5	0.5
0.012	7.2	7.5	3.5	5	0.5	7.2	7.5	3.5	5	0.5
	10	9	4	7.5	0.5	10	9	4	7.5	0.5
0.015	7.2	7.5	3.5	5	0.5	7.2	7.5	3.5	5	0.5
	10	9	4	7.5	0.5	10	9	4	7.5	0.5
0.018	7.2	7.5	3.5	5	0.5	7.2	7.5	3.5	5	0.5
	10	9	4	7.5	0.5	10	9	4	7.5	0.5
0.022	7.2	7.5	3.5	5	0.5	7.2	7.5	3.5	5	0.5
	10	9	4	7.5	0.5	10	9	4	7.5	0.5
0.027	7.2	7.5	3.5	5	0.5	7.2	7.5	3.5	5	0.5
	10	9	4	7.5	0.5	10	9	4	7.5	0.5
0.033	7.2	7.5	3.5	5	0.5	7.2	7.5	3.5	5	0.5
	10	9	4	7.5	0.5	10	9	4	7.5	0.5
0.039	7.2	7.5	3.5	5	0.5	7.2	7.5	3.5	5	0.5
	10	9	4	7.5	0.5	10	9	4	7.5	0.5
0.047	7.2	7.5	3.5	5	0.5	7.2	7.5	3.5	5	0.5
	10	9	4	7.5	0.5	10	9	4	7.5	0.5





STANDARD SIZE

STANDARD SIZE										
μF	100 VDC					250 VDC				
	W	H	T	P	d	W	H	T	P	d
	± 1.0	± 1.0	± 1.0	± 1.0	± 0.05	± 1.0	± 1.0	± 1.0	± 1.0	± 0.05
0.056	7.2	7.5	3.5	5	0.5	7.2	7.5	3.5	5	0.5
	10	9	4	7.5	0.5	10	9	4	7.5	0.5
0.068	7.2	7.5	3.5	5	0.5	7.2	7.5	3.5	5	0.5
	10	9	4	7.5	0.5	10	9	4	7.5	0.5
0.082	7.2	7.5	3.5	5	0.5	7.2	7.5	3.5	5	0.5
	10	9	4	7.5	0.5	10	9	4	7.5	0.5
0.1	7.2	9.5	4.5	5	0.5	7.2	9.5	4.5	5	0.5
	10	9	4	7.5	0.5	10	9	4	7.5	0.5
0.15	7.2	10	5	5	0.5	7.2	10	5	5	0.5
	10	9	4	7.5	0.5	10	9	4	7.5	0.5
0.22	7.2	11	6	5	0.5	7.2	11	6	5	0.5
	10	9	4	7.5	0.5	10	9	4	7.5	0.5

STANDARD SIZE										
μF	400 VDC					630 VDC / 1000 VDC				
	W	H	T	P	d	W	H	T	P	d
	± 1.0	± 1.0	± 1.0	± 1.0	± 0.05	± 1.0	± 1.0	± 1.0	± 1.0	± 0.05
0.001	7.2	7.5	3.5	5	0.5	7.2	7.5	3.5	5	0.5
	10	9	4	7.5	0.5	10	9	4	7.5	0.5
0.0012	7.2	7.5	3.5	5	0.5	7.2	7.5	3.5	5	0.5
	10	9	4	7.5	0.5	10	9	4	7.5	0.5
0.0015	7.2	7.5	3.5	5	0.5	7.2	7.5	3.5	5	0.5
	10	9	4	7.5	0.5	10	9	4	7.5	0.5
0.0018	7.2	7.5	3.5	5	0.5	7.2	7.5	3.5	5	0.5
	10	9	4	7.5	0.5	10	9	4	7.5	0.5
0.0022	7.2	7.5	3.5	5	0.5	7.2	7.5	3.5	5	0.5
	10	9	4	7.5	0.5	10	9	4	7.5	0.5
0.0027	7.2	7.5	3.5	5	0.5	7.2	7.5	3.5	5	0.5
	10	9	4	7.5	0.5	10	9	4	7.5	0.5
0.0033	7.2	7.5	3.5	5	0.5	7.2	7.5	3.5	5	0.5
	10	9	4	7.5	0.5	10	9	4	7.5	0.5
0.0039	7.2	7.5	3.5	5	0.5	7.2	7.5	3.5	5	0.5
	10	9	4	7.5	0.5	10	9	4	7.5	0.5
0.0047	7.2	7.5	3.5	5	0.5	7.2	7.5	3.5	5	0.5
	10	9	4	7.5	0.5	10	9	4	7.5	0.5
0.0056	7.2	7.5	3.5	5	0.5	7.2	7.5	3.5	5	0.5
	10	9	4	7.5	0.5	10	9	4	7.5	0.5
0.0068	7.2	7.5	3.5	5	0.5	7.2	7.5	3.5	5	0.5
	10	9	4	7.5	0.5	10	9	4	7.5	0.5



STANDARD SIZE

STANDARD SIZE										
μF	400 VDC					630 VDC / 1000 VDC				
	W	H	T	P	d	W	H	T	P	d
	±1.0	±1.0	±1.0	±1.0	±0.05	±1.0	±1.0	±1.0	±1.0	±0.05
0.0082	7.2	7.5	3.5	5	0.5	7.2	7.5	3.5	5	0.5
	10	9	4	7.5	0.5	10	9	4	7.5	0.5
0.01	7.2	7.5	3.5	5	0.5	7.2	7.5	3.5	5	0.5
	10	9	4	7.5	0.5					
0.012	7.2	7.5	3.5	5	0.5	7.2	9.5	4.5	5	0.5
	10	9	4	7.5	0.5					
0.015	7.2	7.5	3.5	5	0.5	7.2	9.5	4.5	5	0.5
	10	9	4	7.5	0.5					
0.018	7.2	7.5	3.5	5	0.5	7.2	9.5	4.5	5	0.5
	10	9	4	7.5	0.5					
0.022	7.2	7.5	3.5	5	0.5	7.2	9.5	4.5	5	0.5
	10	9	4	7.5	0.5					
0.027	7.2	7.5	3.5	5	0.5	7.2	9.5	4.5	5	0.5
	10	9	4	7.5	0.5					
0.033	7.2	9.5	4.5	5	0.5	7.2	10	5	5	0.5
	10	11	4	7.5	0.5					
0.039	7.2	9.5	4.5	5	0.5	7.2	10	5	5	0.5
	10	11	5	7.5	0.5					
0.047	7.2	9.5	4.5	5	0.5	7.2	11	6	5	0.5
	10	11	5	7.5	0.5					
0.056	7.2	9.5	5	5	0.5	7.2	11	6	5	0.5
	10	11	5	7.5	0.5					
0.068	7.2	10	5	5	0.5					
	10	11	5	7.5	0.5					
0.082	7.2	10	5	5	0.5					
	10	11	5	7.5	0.5					
0.1	7.2	11	6	5	0.5					
	10	1	5	7.5	0.5					

