

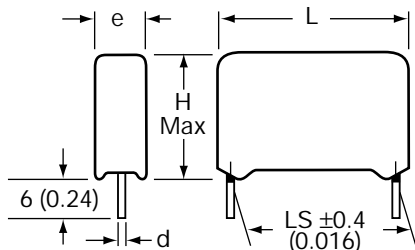
# Metallized Polyester BG-Film Dielectric Capacitors



BG 07/10/15/22/27

CPM-85 – 7.5/10/15/22.5/27.5

Boxed Metallized Polyester Capacitor



millimeters (inches)

Lead Spacing (LS)	Diameter d
7.5 (0.295)	0.6 (0.024)
10 (0.394)	0.6 <sup>(1)</sup> (0.024) / 0.8 (0.031)
> 10 (0.394)	0.8 (0.031)

(1): 0.6 (0.024) for capacitors with e ≤ 6 (0.024)

## HOW TO ORDER

**BG 10 4 G 0104 K --**

① ② ③ ④ ⑤ ⑥

① **Type:** Pitch 10mm = 10  
Pitch 15mm = 15  
Pitch 22.5mm = 22  
Pitch 27.5mm = 27

② **Dielectric Class:** 4 = PET

③ **Voltage**

④ **Capacitance Value**

⑤ **Tolerance**

⑥ **Suffix**

## STANDARDIZATION

Generic specifications:

CEI 384-1/CECC 30000/UTE 83100

Sectional specifications:

CEI 384-2/CECC 30400/UTE 83151

On the LNZ list:

Complies with type CPM85 – CPM-R

## Dimensions: millimeters (inches)

Capacitance	63 V DC / 40 V AC				100 V DC / 63 V AC				250 V DC / 160 V AC				
	e	H	L	LS	e	H	L	LS	e	H	L	LS	
0.01 µF													
0.01 µF										2.5 (0.098)	7.5 (0.295)	10.0 (0.394)	7.5 (0.295)
0.015 µF													
0.015 µF										2.5 (0.098)	7.5 (0.295)	10.0 (0.394)	7.5 (0.295)
0.022 µF													
0.022 µF					2.5 (0.098)	7.0 (0.276)	10.0 (0.394)	7.5 (0.295)	3.0 (0.118)	8.6 (0.339)	10.0 (0.394)	7.5 (0.295)	
0.033 µF										4.0 (0.157)	9.0 (0.354)	10.0 (0.394)	7.5 (0.295)
0.033 µF					3.0 (0.118)	8.6 (0.339)	10.0 (0.394)	7.5 (0.295)	4.0 (0.157)	9.0 (0.354)	13.0 (0.512)	10.0 (0.394)	
0.047 µF													
0.047 µF										4.0 (0.157)	9.0 (0.354)	10.0 (0.394)	7.5 (0.295)
0.047 µF					3.0 (0.118)	8.6 (0.339)	10.0 (0.394)	7.5 (0.295)	9.0 (0.354)	9.0 (0.354)	13.0 (0.512)	10.0 (0.394)	
0.068 µF													
0.068 µF					3.0 (0.118)	8.6 (0.339)	10.0 (0.394)	7.5 (0.295)	5.0 (0.197)	11.0 (0.433)	10.0 (0.394)	7.5 (0.295)	
0.068 µF					4.0 (0.157)	9.0 (0.354)	10.0 (0.512)	10.0 (0.394)	4.0 (0.157)	9.0 (0.354)	13.0 (0.512)	10.0 (0.394)	
0.1 µF										5.0 (0.197)	11.0 (0.433)	10.0 (0.394)	7.5 (0.295)
0.1 µF					4.0 (0.157)	9.0 (0.354)	10.0 (0.394)	7.5 (0.295)	4.0 (0.157)	9.0 (0.354)	13.0 (0.512)	10.0 (0.394)	
0.1 µF					4.0 (0.157)	9.0 (0.354)	13.0 (0.512)	10.0 (0.394)	5.5 (0.216)	10.5 (0.413)	18.0 (0.709)	15.0 (0.591)	
0.15 µF										6.0 (0.236)	12.0 (0.472)	10.4 (0.409)	7.5 (0.295)
0.15 µF					4.0 (0.157)	9.0 (0.354)	10.0 (0.394)	7.5 (0.295)	4.0 (0.157)	9.0 (0.354)	13.0 (0.512)	10.0 (0.394)	
0.15 µF	2.5 (0.098)	7.0 (0.276)	10.0 (0.394)	7.5 (0.295)	4.0 (0.157)	9.0 (0.354)	13.0 (0.512)	10.0 (0.394)	5.5 (0.216)	10.5 (0.413)	18.0 (0.709)	15.0 (0.591)	
0.22 µF													
0.22 µF					5.0 (0.197)	11.0 (0.433)	10.0 (0.394)	7.5 (0.295)	5.0 (0.197)	11.0 (0.433)	13.0 (0.512)	10.0 (0.394)	
0.22 µF	4.0 (0.157)	9.0 (0.354)	10.0 (0.394)	7.5 (0.295)	4.0 (0.157)	9.0 (0.354)	13.0 (0.512)	10.0 (0.394)	5.5 (0.216)	10.5 (0.413)	18.0 (0.709)	15.0 (0.591)	
0.33 µF													
0.33 µF					5.0 (0.197)	11.0 (0.433)	10.0 (0.394)	7.5 (0.295)					
0.33 µF	4.0 (0.157)	9.0 (0.354)	10.0 (0.394)	7.5 (0.295)	5.0 (0.197)	11.0 (0.433)	13.0 (0.512)	10.0 (0.394)	6.0 (0.236)	11.0 (0.433)	13.0 (0.512)	10.0 (0.394)	
0.33 µF	4.0 (0.157)	9.0 (0.354)	13.0 (0.512)	10.0 (0.394)	5.5 (0.216)	10.5 (0.413)	18.0 (0.709)	15.0 (0.591)	5.5 (0.216)	10.5 (0.413)	18.0 (0.709)	15.0 (0.591)	
0.47 µF													
0.47 µF					6.0 (0.236)	12.0 (0.472)	10.4 (0.409)	7.5 (0.295)					
0.47 µF	5.0 (0.197)	11.0 (0.433)	10.0 (0.394)	7.5 (0.295)	5.0 (0.197)	11.0 (0.433)	13.0 (0.512)	10.0 (0.394)	5.5 (0.216)	10.5 (0.413)	18.0 (0.709)	15.0 (0.591)	
0.47 µF	4.0 (0.157)	9.0 (0.354)	13.0 (0.512)	10.0 (0.394)	5.5 (0.216)	10.5 (0.413)	18.0 (0.709)	15.0 (0.591)	7.0 (0.276)	15.0 (0.591)	25.5 (1.004)	22.5 (0.886)	
0.68 µF													
0.68 µF					5.0 (0.197)	11.0 (0.433)	10.0 (0.394)	7.5 (0.295)					
0.68 µF	5.0 (0.197)	11.0 (0.433)	13.0 (0.512)	10.0 (0.394)	6.0 (0.236)	11.0 (0.433)	13.0 (0.512)	10.0 (0.394)	7.0 (0.276)	12.5 (0.492)	18.0 (0.709)	15.0 (0.591)	
0.68 µF	5.5 (0.216)	10.5 (0.413)	18.0 (0.709)	15.0 (0.591)	5.5 (0.216)	10.5 (0.413)	18.0 (0.709)	15.0 (0.591)	7.0 (0.276)	15.0 (0.591)	25.5 (1.004)	22.5 (0.886)	
1 µF													
1 µF					6.0 (0.236)	12.0 (0.472)	10.4 (0.409)	7.5 (0.295)					
1 µF	5.0 (0.197)	11.0 (0.433)	13.0 (0.512)	10.0 (0.394)	6.0 (0.236)	11.0 (0.433)	13.0 (0.512)	10.0 (0.394)	9.0 (0.354)	14.5 (0.571)	18.0 (0.709)	15.0 (0.591)	
1 µF	5.5 (0.216)	10.5 (0.413)	18.0 (0.709)	15.0 (0.591)	5.5 (0.216)	10.5 (0.413)	18.0 (0.709)	15.0 (0.591)	7.0 (0.276)	15.0 (0.591)	25.5 (1.004)	22.5 (0.886)	
1.5 µF													
1.5 µF					7.0 (0.276)	12.5 (0.492)	18.0 (0.709)	15.0 (0.591)	8.5 (0.335)	16.5 (0.650)	25.5 (1.004)	22.5 (0.886)	
1.5 µF	5.5 (0.216)	10.5 (0.413)	18.0 (0.709)	15.0 (0.591)	7.0 (0.276)	12.5 (0.492)	18.0 (0.709)	15.0 (0.591)	11.0 (0.433)	20.0 (0.787)	32.0 (1.260)	27.5 (1.083)	
2.2 µF													
2.2 µF					7.0 (0.276)	12.5 (0.492)	18.0 (0.709)	15.0 (0.591)	10.5 (0.413)	19.5 (0.768)	25.5 (1.004)	22.5 (0.886)	
2.2 µF	7.0 (0.276)	12.5 (0.492)	18.0 (0.709)	15.0 (0.591)	7.0 (0.276)	12.5 (0.492)	18.0 (0.709)	15.0 (0.591)	11.0 (0.433)	20.0 (0.787)	32.0 (1.260)	27.5 (1.083)	
3.3 µF													
3.3 µF					9.0 (0.354)	14.5 (0.571)	18.0 (0.709)	15.0 (0.591)					
3.3 µF	7.0 (0.276)	12.5 (0.492)	18.0 (0.709)	15.0 (0.591)	7.0 (0.276)	12.5 (0.492)	18.0 (0.709)	15.0 (0.591)	11.0 (0.433)	20.0 (0.787)	32.0 (1.260)	27.5 (1.083)	
4.7 µF													
4.7 µF					8.5 (0.335)	16.5 (0.650)	25.5 (1.004)	22.5 (0.886)					
4.7 µF	8.5 (0.335)	16.5 (0.650)	25.5 (1.004)	22.5 (0.886)	11.0 (0.433)	20.0 (0.787)	32.0 (1.260)	27.5 (1.083)	14.0 (0.551)	25.0 (0.984)	32.0 (1.260)	27.5 (1.083)	
6.8 µF													
6.8 µF					10.5 (0.413)	19.5 (0.768)	25.5 (1.004)	22.5 (0.886)					
6.8 µF	8.5 (0.335)	16.5 (0.650)	25.5 (1.004)	22.5 (0.886)	11.0 (0.433)	20.0 (0.787)	32.0 (1.260)	27.5 (1.083)					
10 µF													
10 µF	10.5 (0.413)	19.5 (0.768)	25.5 (1.004)	22.5 (0.886)									
10 µF	11.0 (0.433)	20.0 (0.787)	32.0 (1.260)	27.5 (1.083)	11.0 (0.433)	20.0 (0.787)	32.0 (1.260)	27.5 (1.083)					
15 µF													
15 µF	14.0 (0.551)	25.0 (0.984)	32.0 (1.260)	27.5 (1.083)									
22 µF													
22 µF	14.0 (0.551)	25.0 (0.984)	32.0 (1.260)	27.5 (1.083)									

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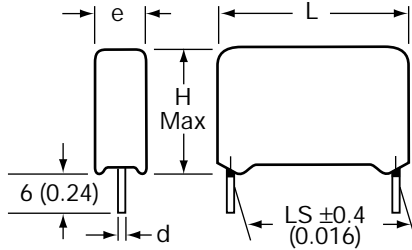
# Metallized Polyester Film Dielectric Capacitors



BG 07/10/15/22/27

CPM-85 – 7.5/10/15/22.5/27.5

Boxed Metallized Polyester Capacitor



Dimensions: millimeters (inches)

Capacitance	400 V DC / 200 V AC				630 V DC / 220 V AC				1000 V DC / 250 V AC			
	e	H	L	LS	e	H	L	LS	e	H	L	LS
1 nF					2.5 (0.098)	7.0 (0.276)	10.0 (0.394)	7.5 (0.295)	4.0 (0.157)	9.0 (0.354)	13.0 (0.512)	10.0 (0.394)
1.5 nF												
1.5 nF					2.5 (0.098)	7.0 (0.276)	10.0 (0.394)	7.5 (0.295)	4.0 (0.157)	9.0 (0.354)	13.0 (0.512)	10.0 (0.394)
2.2 nF												
2.2 nF					3.0 (0.118)	8.6 (0.339)	10.0 (0.394)	7.5 (0.295)	4.0 (0.157)	9.0 (0.354)	13.0 (0.512)	10.0 (0.394)
3.3 nF												
3.3 nF					3.0 (0.118)	8.6 (0.339)	10.0 (0.394)	7.5 (0.295)	4.0 (0.157)	9.0 (0.354)	13.0 (0.512)	10.0 (0.394)
4.7 nF					4.0 (0.157)	9.0 (0.354)	10.0 (0.394)	7.5 (0.295)				
4.7 nF	2.5 (0.098)	7.0 (0.276)	10.0 (0.394)	7.5 (0.295)	4.0 (0.157)	9.0 (0.354)	13.0 (0.512)	10.0 (0.394)	4.0 (0.157)	9.0 (0.354)	13.0 (0.512)	10.0 (0.394)
6.8 nF					4.0 (0.157)	9.0 (0.354)	10.0 (0.394)	7.5 (0.295)				
6.8 nF	3.0 (0.118)	8.6 (0.339)	10.0 (0.394)	7.5 (0.295)	4.0 (0.157)	9.0 (0.354)	13.0 (0.512)	10.0 (0.394)	6.0 (0.236)	11.0 (0.433)	13.0 (0.512)	10.0 (0.394)
0.01 µF					5.0 (0.197)	11.0 (0.433)	10.0 (0.394)	7.5 (0.295)				
0.01 µF	4.0 (0.157)	9.0 (0.354)	10.0 (0.394)	7.5 (0.295)	4.0 (0.157)	9.0 (0.354)	13.0 (0.512)	10.0 (0.394)	5.5 (0.216)	10.5 (0.413)	18.0 (0.709)	15.0 (0.591)
0.015 µF	4.0 (0.157)	9.0 (0.354)	10.0 (0.394)	7.5 (0.295)	6.0 (0.236)	12.0 (0.472)	10.4 (0.409)	7.5 (0.295)				
0.015 µF	4.0 (0.157)	9.0 (0.354)	13.0 (0.512)	10.0 (0.394)	5.0 (0.197)	11.0 (0.433)	13.0 (0.512)	10.0 (0.394)	5.5 (0.216)	10.5 (0.413)	18.0 (0.709)	15.0 (0.591)
0.022 µF	5.0 (0.197)	11.0 (0.433)	10.0 (0.394)	7.5 (0.295)								
0.022 µF	4.0 (0.157)	9.0 (0.354)	13.0 (0.512)	10.0 (0.394)	5.0 (0.197)	11.0 (0.433)	13.0 (0.512)	10.0 (0.394)	7.0 (0.276)	12.5 (0.492)	18.0 (0.709)	15.0 (0.591)
0.033 µF	5.0 (0.197)	11.0 (0.433)	10.0 (0.394)	7.5 (0.295)	6.0 (0.236)	11.0 (0.433)	13.0 (0.512)	10.0 (0.394)				
0.033 µF	4.0 (0.157)	9.0 (0.354)	13.0 (0.512)	10.0 (0.394)	5.5 (0.216)	10.5 (0.413)	18.0 (0.709)	15.0 (0.591)	7.0 (0.276)	15.0 (0.591)	25.5 (1.004)	22.5 (0.886)
0.047 µF	6.0 (0.236)	12.0 (0.472)	10.4 (0.409)	7.5 (0.295)								
0.047 µF	4.0 (0.157)	9.0 (0.354)	13.0 (0.512)	10.0 (0.394)	6.0 (0.236)	11.0 (0.433)	13.0 (0.512)	10.0 (0.394)				
0.047 µF	5.5 (0.216)	10.5 (0.413)	18.0 (0.709)	15.0 (0.591)	5.5 (0.216)	10.5 (0.413)	18.0 (0.709)	15.0 (0.591)	7.0 (0.276)	15.0 (0.591)	25.5 (1.004)	22.5 (0.886)
0.068 µF	6.0 (0.236)	12.0 (0.472)	10.4 (0.409)	7.5 (0.295)								
0.068 µF	5.0 (0.197)	11.0 (0.433)	13.0 (0.512)	10.0 (0.394)	7.0 (0.276)	14.0 (0.551)	13.0 (0.512)	10.0 (0.394)				
0.068 µF	5.5 (0.216)	10.5 (0.413)	18.0 (0.709)	15.0 (0.591)	5.5 (0.216)	10.5 (0.413)	18.0 (0.709)	15.0 (0.591)	7.0 (0.276)	15.0 (0.591)	25.5 (1.004)	22.5 (0.886)
0.1 µF												
0.1 µF	6.0 (0.236)	11.0 (0.433)	13.0 (0.512)	10.0 (0.394)	7.0 (0.276)	12.5 (0.492)	18.0 (0.709)	15.0 (0.591)				
0.1 µF	5.5 (0.216)	10.5 (0.413)	18.0 (0.709)	15.0 (0.591)	7.0 (0.276)	15.0 (0.591)	25.5 (1.004)	22.5 (0.886)	8.5 (0.335)	16.5 (0.650)	25.5 (1.004)	22.5 (0.886)
0.15 µF												
0.15 µF	7.0 (0.276)	14.0 (0.551)	13.0 (0.512)	10.0 (0.394)	9.0 (0.354)	14.5 (0.571)	18.0 (0.709)	15.0 (0.591)				
0.15 µF	5.5 (0.216)	10.5 (0.413)	18.0 (0.709)	15.0 (0.591)	7.0 (0.276)	15.0 (0.591)	25.5 (1.004)	22.5 (0.886)	11.0 (0.433)	20.0 (0.787)	32.0 (1.260)	27.5 (1.083)
0.22 µF												
0.22 µF	5.5 (0.216)	10.5 (0.413)	18.0 (0.709)	15.0 (0.591)	9.0 (0.354)	14.5 (0.571)	18.0 (0.709)	15.0 (0.591)				
0.22 µF	7.0 (0.276)	15.0 (0.591)	25.5 (1.004)	22.5 (0.886)	7.0 (0.276)	15.0 (0.591)	25.5 (1.004)	22.5 (0.886)	11.0 (0.433)	20.0 (0.787)	32.0 (1.260)	27.5 (1.083)
0.33 µF												
0.33 µF	7.0 (0.276)	12.5 (0.492)	18.0 (0.709)	15.0 (0.591)	10.5 (0.413)	19.5 (0.768)	25.5 (1.004)	22.5 (0.886)				
0.33 µF	7.0 (0.276)	15.0 (0.591)	25.5 (1.004)	22.5 (0.886)	11.0 (0.433)	20.0 (0.787)	32.0 (1.260)	27.5 (1.083)	14.0 (0.551)	25.0 (0.984)	32.0 (1.260)	27.5 (1.083)
0.47 µF												
0.47 µF	9.0 (0.354)	14.5 (0.571)	18.0 (0.709)	15.0 (0.591)								
0.47 µF	7.0 (0.276)	15.0 (0.591)	25.5 (1.004)	22.5 (0.886)	11.0 (0.433)	20.0 (0.787)	32.0 (1.260)	27.5 (1.083)	14.0 (0.551)	25.0 (0.984)	32.0 (1.260)	27.5 (1.083)
0.68 µF												
0.68 µF	7.0 (0.276)	15.0 (0.591)	25.5 (1.004)	22.5 (0.886)								
0.68 µF	11.0 (0.433)	20.0 (0.787)	32.0 (1.260)	27.5 (1.083)	14.0 (0.551)	25.0 (0.984)	32.0 (1.260)	27.5 (1.083)				
1 µF												
1 µF	7.0 (0.276)	15.0 (0.591)	25.5 (1.004)	22.5 (0.886)								
1 µF	11.0 (0.433)	20.0 (0.787)	32.0 (1.260)	27.5 (1.083)	14.0 (0.551)	25.0 (0.984)	32.0 (1.260)	27.5 (1.083)				
1.5 µF												
1.5 µF	10.5 (0.413)	19.5 (0.768)	25.5 (1.004)	22.5 (0.886)								
1.5 µF	11.0 (0.433)	20.0 (0.787)	32.0 (1.260)	27.5 (1.083)								
2.2 µF												
2.2 µF	14.0 (0.551)	25.0 (0.984)	32.0 (1.260)	27.5 (1.083)								

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