

PLASTIC FILM CAPACITORS



Metallized Polypropylene Film AC Power Capacitor

series

- Compliant to the RoHS directive (2011/65/EU).

Specifications

Item	Performance Characteristics
Maximum permissible temperature	+85°C (Z)
Minimum ambient temperature	−25°C (B)
Rated Voltage Range	200 to 400VAC
Rated Capacitance Range	1.0 to 50μF
Capacitance Tolerance	+10 to −5%
Dielectric Loss Tangent	0.12% or less (at 20°C, 50 / 60Hz 200VAC)
Withstand Voltage	Between Terminals : Rated Voltage (VAC) × 175% 10secs. Between Terminals connected together and case : 2000VAC 60secs.
Insulation Resistance	Between Terminals connected together and case : 1000 MΩ or more (at 500VDC)
Encapsulation	Flame-retardant epoxy cased, Resin filled
Current duration class	40D (40,000h)
Safety Mechanism	Non-included



Drawing

Please refer to page 398.

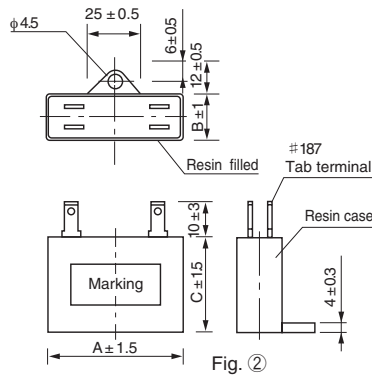
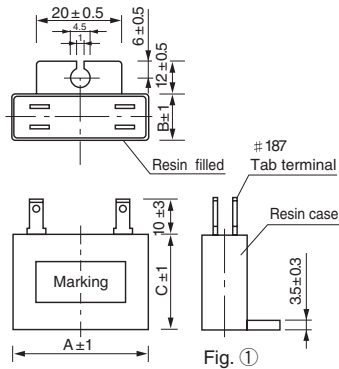
Dimensions

Unit : mm

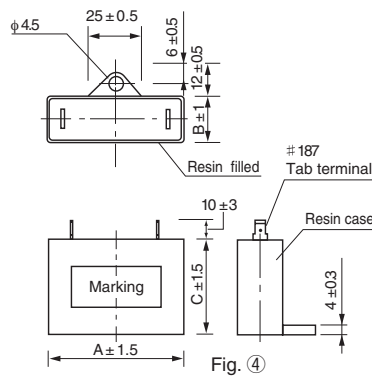
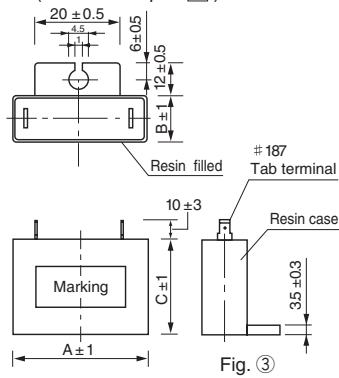
(μF) Cap.		V (Code) Size	200VAC (2D)			Fig.	250VAC (2E)			Fig.	400VAC (2G)			Fig.
			A	B	C		A	B	C		A	B	C	
1.0	105	—	—	—	—	① ③ ⑤	—	—	—	① ③ ⑤	37.0	11.5	25.0	① ③ ⑤
1.5	155	—	—	—	—		—	—	—		37.0	11.5	25.0	
2.0	205	37.0	11.5	25.0	—		37.0	11.5	25.0		37.0	13.5	27.0	
2.5	255	37.0	11.5	25.0	—		37.0	11.5	25.0		37.0	15.5	29.0	
3.0	305	37.0	11.5	25.0	—		37.0	11.5	25.0		37.0	15.5	29.0	
3.5	355	37.0	11.5	25.0	—		37.0	11.5	25.0		37.0	17.5	31.0	
4.0	405	37.0	11.5	25.0	—		37.0	11.5	25.0		37.0	19.5	33.0	
4.5	455	37.0	13.5	27.0	—		37.0	13.5	27.0		37.0	19.5	33.0	
5.0	505	37.0	13.5	27.0	—		37.0	13.5	27.0		37.0	21.5	35.0	
6.0	605	37.0	13.5	27.0	—		37.0	13.5	27.0		37.0	24.0	37.0	
7.0	705	37.0	15.5	29.0	—	② ④	37.0	15.5	29.0	② ④	37.0	24.0	37.0	② ④
8.0	805	37.0	17.5	31.0	—		37.0	17.5	31.0		58.0	26.0	40.0	
10.0	106	37.0	19.5	33.0	—		37.0	19.5	33.0		58.0	26.0	40.0	
12.0	126	37.0	21.5	35.0	—		37.0	21.5	35.0		58.0	26.0	40.0	
14.0	146	37.0	24.0	37.0	—		37.0	24.0	37.0		58.0	30.0	44.0	
15.0	156	37.0	24.0	37.0	—		37.0	24.0	37.0		58.0	30.0	44.0	
16.0	166	37.0	24.0	37.0	—		37.0	24.0	37.0		58.0	30.0	44.0	
18.0	186	58.0	26.0	40.0	—		58.0	26.0	40.0		58.0	30.0	44.0	
20.0	206	58.0	26.0	40.0	—		58.0	26.0	40.0		58.0	34.0	49.0	
22.0	226	58.0	26.0	40.0	—		58.0	26.0	40.0		58.0	34.0	49.0	
25.0	256	58.0	26.0	40.0	—		58.0	26.0	40.0		58.0	34.0	49.0	
30.0	306	58.0	26.0	40.0	—		58.0	26.0	40.0		58.0	34.0	49.0	
40.0	406	58.0	30.0	44.0	—		58.0	30.0	44.0		58.0	34.0	49.0	
50.0	506	58.0	34.0	49.0	—		58.0	34.0	49.0		58.0	34.0	49.0	

Drawing

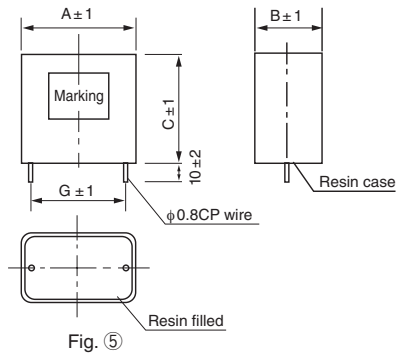
- Tab terminal 2 (Terminal shape : )



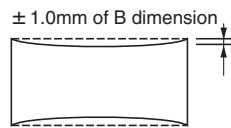
- Tab terminal 1 (Terminal shape : )



- Pin terminal (Terminal shape : )



Remarks : 1) Dimension of case bottom is expressed by A and B.
2) Dimension B of case top shall be $\pm 1.0\text{mm}$ as shown below.



3) In case of pin terminal product, cased dimension A is only 37mm.

Dimensions

Case size (mm)			Case size code () for Pin terminal	Terminal Shape 	Terminal Shape 	Terminal Shape 	
A	B	C		Fig	Fig	Lead pitch G (mm)	Fig
37.0	11.5	25.0		①	③	34.2	⑤
37.0	13.5	27.0 ※	 				
37.0	15.5	29.0	 				
37.0	17.5	31.0	 				
37.0	19.5	33.0					
37.0	21.5	35.0					
37.0	24.0	37.0					
58.0	26.0	40.0		②	④	—	—
58.0	30.0	44.0					
58.0	34.0	49.0					

※ In case of pin terminal dimension will be 37.0 × 13.5 × 28.0mm. (Code : 

※※ In case of pin terminal dimension will be 37.0 × 15.5 × 29.0mm. (Code : 

※※※ In case of pin terminal dimension will be 37.0 × 17.5 × 31.0mm. (Code : 