DATASHEET

FILM CAPACITORS – AC motor capacitor

PART NO.: CB61305P0450N33J000

YUHUA ELECTRICAL

CBB61 Series, 450VAC, 3.0µF, ±5%, -25℃~70℃ , Radial, L47.5*W17.5*H28.5mm

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AUTHORIZED DISTRIBUTOR

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■ PART NUMBER GUIDE

The 19 digits part number is formed as follow:

Rated Capacitance
30×10^5 pF = 3.0 µF

Rated Voltage
0450=450 Vdc

Lead Spacing
33= 33mm

Internal Characteristics
000: Standard Terminals

C	B	6	1	3	0	5	P	0	4	5	0	N	3	3	J	0	0	0

Series Code
CB61 Type

Internal Characteristics
H: High-Temperature Type
P: Standard Type

Terminal type
N= . 250# double insert

Capacitance Tolerance
J: ±5% K: ±10%

■ PRODUCT PICTURE

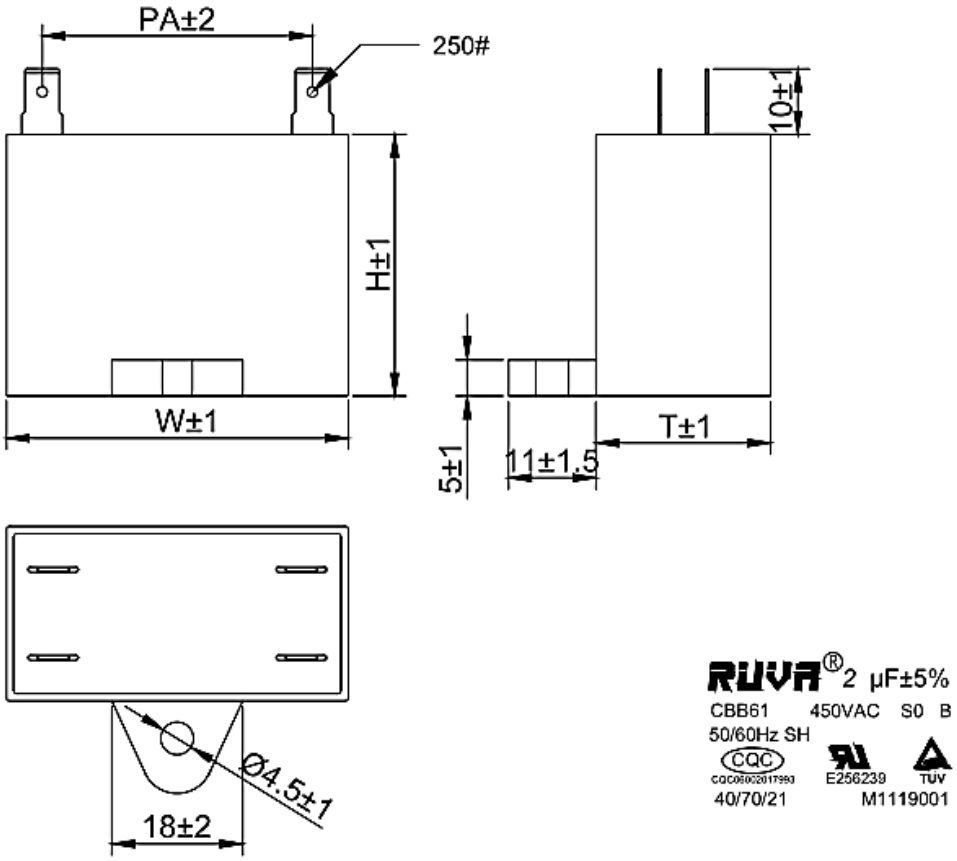
■ TYPICAL APPLICATION

1. Suitable for electric fan, exhaust fan, electric water pump, help to start and run the motor.

■ FEATURES

1. Low loss, high insulation resistance;
2. Excellent self-healing and high stability;
3. Strong impulse current resistance and overload capability;

■ OUTLINE DRAWING



UR vac	CR μF	W*T*H mm	PA	PN	Part number
450	1	37*12*22	23	6040611	CB61105P0450N23J000
450	3	47.5*17.5*28.5	33	6040612	CB61305P0450N33J000
450	3.5	47.5*17.5*28.5	33	6040773	CB61355P0450N33J000
450	14	57*32*44	43	6040774	CB61146P0450N43J000

■ TECHNICAL DATA

Parameter	Value
Detailed data	
Rated capacitance	3.0μF
Capacitance tolerance	±5%(J)
Rated voltage	450V.AC
Max current Irms	/
Rated frequency	50/60Hz
Change rate of voltage	/
Tangent of loss angle	tgδ≤0.0020（1kHz）
Equivalent resistor in series	/
Mixed inductance	/
Insulation resistor	IR·C≥5000S
VT-T (terminal and terminal)	900V.AC/10S
VT-C (terminal and case)	——
Characteristic of structure	
Shape	plastic case
Filling material	Flame-resistant epoxy resin
Medium material	PP
Connect terminal	250# double insert
Max warp distance of terminal	——
Working condition	
Humidity of environment	0~95%
Operating temperature	-40℃~70℃
Cooling way	Natural cooling
Safety class	
Standard	IEC 60252 / GB/T 3667
Flame-resistant class	UL94-V0