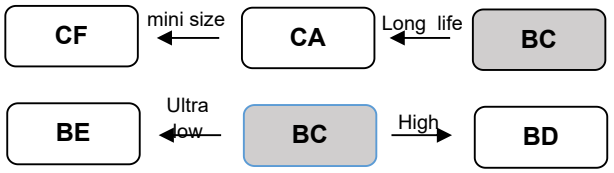
BC Series

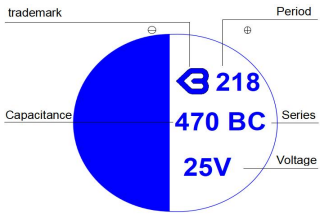
- low impedance, high ripple current
- Load life of 2000 hours at 105℃
- RoHS Compliant

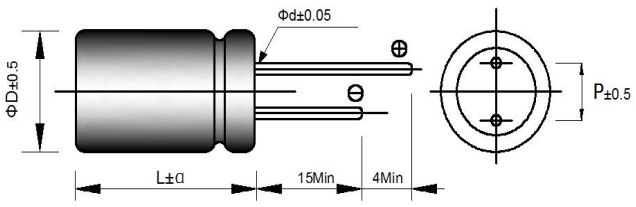


◆ Specifications

Items	Characteristics			
Category Temperture Range	-55 ~ +105℃			
Rated Voltage Range	2.5 ~ 25V			
Capacitance tolerance	±20%(M) (at 20℃,120Hz)			
Leakage Current	I≤0.2CV or 500μA（The bigger） After 2 minutes applied for rated voltage at 20℃, less than or equal to the specified value.			
tanδ Dissipation Factor	Rated voltage (V)	2.5～25	(at 20℃,120Hz)	
	tanδ (Max.)	0.12		
Low Temperture Characteristics (Max.Impedance Ratio)	Z(-25℃)/Z(+20℃)	≤1.25	(100KHz)	
	Z(-55℃)/Z(+20℃)	≤1.25		
Endurence	The specifications listed below shall be met when thecapacitors are restored to 20°C after the rated voltage is applied for 2000 hours at 105℃.			
	Appearance	No significant damage		
	Capacitance change	≦±20% of the initial value		
	D.F.(tanδ)	≦150% of the specified value		
	ESR	≦150% of the specified value		
	Leakage current	≦The specified value		
Damp Heat (Steady State)	The specifications listed below shall be met when the capacitors are restored to 20°C after the rated voltage is applied for 1000 hours at 60℃, 90%～ 95% RH.			
	Appearance	No significant damage		
	Capacitance change	≦±20% of the initial value		
	D.F.(tanδ)	≦150% of the specified value		
	ESR	≦150% of the specified value		
	Leakage current	≦The specified value		
(Surge Voltage)	Surge Voltage=Rated voltage * 1.15(V) The capacitors shall be subjected to 1,000 cycles each consisting of charge with the surge voltages specified at 15~35℃ for 30 seconds through aprotective resistor (R=1kΩ) and discharge for 5 minutes 30seconds			
	Appearance	No significant damage		
	Capacitance change	≦±20% of the initial value		
	D.F.(tanδ)	≦150% of the specified value		
	ESR	≦150% of the specified value		
	Leakage current	≦The specified value		

◆ Dimensions (mm)





ΦD	5	5.5	6.3	8	10
P	2	2.5	2.5	3.5	5
Φd	0.5	0.5	0.5	0.6	0.6
α	L<16mm：1.0				
	16≦L<30mm：2.0				
	L≧30mm：3.0				

BC Series

◆ Standard Ratings

Rated voltage (V)	Rated capacitance(uF)	Case size ΦD*L(mm)	ESR(mΩ) at 20℃,100 KHz	Rated ripple current (mArms/105℃/100kHz)
2.5	560	6.3*8	20	2690
	820	6.3*8	18	2690
	820	8*8	12	4100
	1000	8*8	12	5700
4	330	5*7	20	2690
	560	6.3*8	18	2690
	820	8*8	14	4100
6.3	220	5*6	20	2000
	220	5*7	20	2500
	270	5*7	20	3100
	330	5*7	20	3100
	330	6.3*7	18	3100
	390	5*9	20	2500
	470	5.5*9	20	2500
	470	6.3*8	18	3100
	560	6.3*8	18	3100
	560	8*8	18	4100
	680	6.3*8	16	3100
	680	8*8	16	4100
	820	6.3*9	18	3100
	820	8*8	16	3800
	1000	6.3*11	15	3100
	1000	8*8	15	4100
	1500	8*12	14	4100
	1500	10*12	14	5330
	2200	10*12	14	5330
7.5	220	5*7	22	2500
	470	6.3*11	16	3500
	500	5*9	16	3100
	500	6.3*11	16	3500
	680	8*8	16	4100
10	150	5*7	22	2000
	220	6.3*8	18	2800
	270	6.3*8	18	3100
	330	6.3*8	16	4100
	470	8*8	16	4100
	680	8*8	15	4100
	820	8*12	14	4100
	1000	8*12	16	4100
	1000	10*12	13	4500
	1200	10*12	13	4500

◆ Rated Ripple Current Coefficient

Frequency(Hz)	120Hz≤f＜1kHz	1kHz≤f＜10kHz	10kHz≤f＜100kHz	100kHz≤f＜500kHz
Coefficient	0.05	0.30	0.70	1.00

BC Series

◆ Standard Ratings

Rated voltage (V)	Rated capacitance(uF)	Case size ΦD*L(mm)	ESR(mΩ) at 20℃,100 KHz	Rated ripple current (mArms/105℃/100kHz)
16	82	5*7	22	1500
	100	6.3*8	18	2500
	150	6.3*8	18	2500
	220	5.5*9	18	2200
	220	6.3*7	16	2900
	220	8*8	15	3100
	270	6.3*8	20	2800
	270	8*8	15	3100
	330	6.3*9	18	3100
	330	8*8	18	3100
	470	5.5*10	20	2700
	470	6.3*9	18	3100
	470	8*8	14	3400
	470	8*12	14	4100
	470	10*12	13	5100
	560	8*12	13	3800
	680	8*12	16	3500
	680	10*12	13	5250
	820	8*12	13	3600
	820	10*12	13	5250
	1000	8*12	13	4100
	1000	10*12	13	5250
20	220	6.3*8	35	2200
	330	8*12	25	3100
	470	8*12	25	3500
	680	10*12	25	3800
25	22	5*7	50	1300
	33	6.3*8	40	1500
	47	6.3*8	40	2900
	68	6.3*8	40	2900
	100	8*8	40	3100
	150	8*8	35	3100
	220	8*12	20	3800
	220	10*12	15	4560
	330	8*12	18	3000
	330	10*12	15	4850
	390	6.3*13	25	2200
	470	6.3*15	25	3000
	470	8*12	20	4100
	680	8*16	20	3300
	680	10*12	15	4100

◆ Rated Ripple Current Coefficient

Frequency(Hz)	120Hz≤f<1kHz	1kHz≤f<10kHz	10kHz≤f<100kHz	100kHz≤f<500kHz
Coefficient	0.05	0.30	0.70	1.00