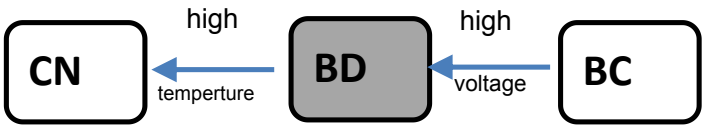
BD Series

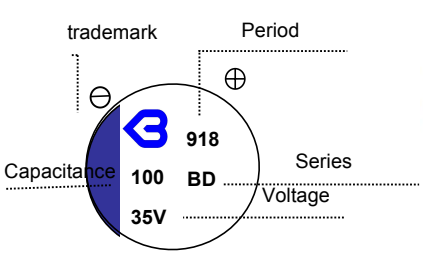
- Low impedance, high ripple current, high voltage
- Load life of 2000 hours at 105℃
- RoHS Compliant

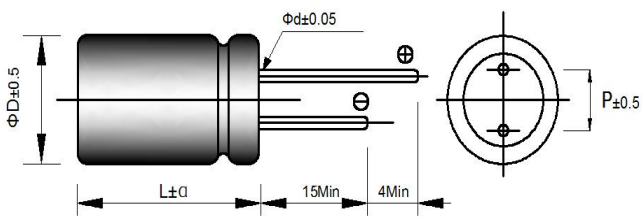


◆ 规格表 Specifications

项目Items	特性参数Characteristics		
使用温度范围 Category Temperture Range	-55 ~ +105℃		
额定工作电压范围 Rated Voltage Range	35 ~ 250 V		
静电容量允许偏差 Capacitance tolerance	±20%(M) (at 20℃,120Hz)		
漏电流 Leakage Current	施加额定工作电压2分钟后读数，小于或等于规格值 (at 20℃) I≤0.15CV 或500μA（取大值） Less than or equal to the specified value. After 2 minutes application of rated Voltage at 20℃		
损耗角正切值tanδ Dissipation Factor	小于或等于规格 Less than or equal to the specified	(at 20℃,120Hz)	
温度特性 Low Temperture Characteristics (Max.Impedance Ratio)	Z(-25℃)/Z(+20℃)	≤1.25	(100KHz)
	Z(-55℃)/Z(+20℃)	≤1.25	
耐久性 Endurence	105℃施加额定工作电压2000小时，恢复到20℃后，产品性能应满足以下要求 The specifications listed below shall be satisfied when the capacitors are restored to 20℃ after application of rated voltage 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	
耐湿负荷特性 Damp Heat (Steady State)	在60℃ 温度，湿度90%~95%RH的环境中，施加额定电压1000小时后，恢复到20℃后，产品性能应满足以下要求 The specifications listed below shall be satisfied when the capacitors are restored to 20℃after application of rated voltage 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	
浪涌电压特性 (Surge Voltage)	浪涌电压: 1、35-100W.V.：1.15*W.V.(V)；2、160-400W.V.：1.1*W.V.(V) Surge Voltage: 1、35-100W.V.：1.15*W.V.(V)；2、160-400W.V.：1.1*W.V.(V) 在105℃环境中，按充电30秒；放电5分30秒，连续施加浪涌电压1000次(Rc=1kΩ)，待恢复后测试，应满足以下要求 The capacitors shall be subjected to 1000 cycles each consisting of charge with the surge voltages specified at 105℃ for 30 seconds through a protective resistor (Rc=1kΩ) and discharge for 5 minutes 30 seconds		
	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	

◆ 外形图Dimensions (mm)





ΦD	5	6.3	8	10
P	2	2.5	3.5	5
Φd	0.5	0.5	0.6	0.6
α	L<16mm±1.0			
	L≧16mm±2.0			

BD Series

◆ 尺寸与最大纹波电流一览表Standard Ratings

Rated voltage (V)	Rated capacitance(μF)	Case size ΦD×L(mm)	tanδ （120Hz）	ESR(mΩ) at 20℃,100 KHz	Rated ripple carrent (mArms/105℃/100kHz)
35 (1V)	22	6.3*8	0.12	90	720
	33	6.3*8	0.12	65	1150
	47	8*8	0.12	90	1500
	150	8*12	0.12	65	2300
	220	10*12	0.12	50	2900
50 (1H)	22	6.3*8	0.12	68	1800
	47	8*12	0.12	34	2100
	68	10*12	0.12	29	2300
	120	10*12	0.12	28	2800
63 (1J)	22	8*8	0.12	75	1500
	33	8*12	0.12	68	1800
	82	10*12	0.12	45	2500
80 (1K)	10	8*8	0.12	48	1150
	12	8*12	0.12	46	1800
	22	10*12	0.12	41	2100
100 (2A)	15	8*12	0.12	47	1850
	22	10*12	0.12	40	2300
	33	10*12	0.12	40	2500
160 (2C)	10	8*12	0.12	100	1350
	15	10*12	0.12	85	1580
	22	10*12	0.12	80	1850
200 (2D)	8.2	8*12	0.12	110	950
	15	10*12	0.12	110	1350
220 （2P）	6.8	8*12	0.12	110	750
	10	10*12	0.12	110	1050
250 (2E)	3.3	8*12	0.12	486	450
	6.8	10*12	0.12	456	780
	8.2	10*12	0.12	420	950

◆ 纹波电流补正系数 Rated Ripple Current Coefficient

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