

## BXC 系列

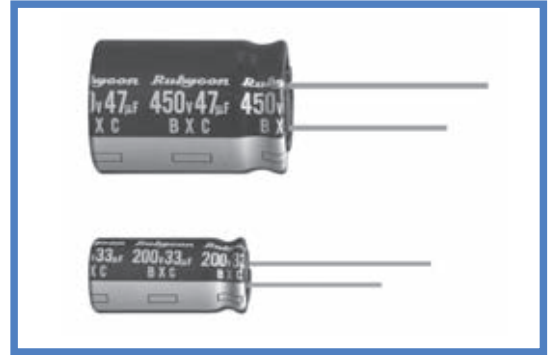
SERIES

UPGRADE

105℃、8000~12000小时品  
Load Life : 105℃ 8000~12000 hours.

### ◆ 特 长 / FEATURES

- 高纹波电流品。  
High Ripple Current.
- 最适合电子镇流电路。  
For Electronic Ballast.
- RoHS指令对应品。  
RoHS compliance.



### ◆ 规格表 / SPECIFICATIONS

项 目 Items	特 性 Characteristics																
工作温度范围 Category Temperature Range	-25~+105℃																
额定电压范围 Rated Voltage Range	160~500V.DC																
静电容量允许差 Capacitance Tolerance	±20% (20℃, 120Hz)																
漏 电 流 Leakage Current(MAX)	<table border="1"> <thead> <tr> <th>CV ≤ 1000</th> <th>CV &gt; 1000</th> </tr> </thead> <tbody> <tr> <td>I=0.1CV+40µA以下 (1分钟值) I=0.1CV+40µA (1minute)</td> <td>I=0.04CV+100µA以下 (1分钟值) I=0.04CV+100µA (1minute)</td> </tr> <tr> <td>I=0.03CV+15µA以下 (5分钟值) I=0.03CV+15µA (5minute)</td> <td>I=0.02CV+25µA以下 (5分钟值) I=0.02CV+25µA (5minute)</td> </tr> </tbody> </table> <p>I=漏电流 (µA) Leakage Current C=额定静电容量 (µF) Rated Capacitance V=额定电压 (V) Rated Voltage</p>	CV ≤ 1000	CV > 1000	I=0.1CV+40µA以下 (1分钟值) I=0.1CV+40µA (1minute)	I=0.04CV+100µA以下 (1分钟值) I=0.04CV+100µA (1minute)	I=0.03CV+15µA以下 (5分钟值) I=0.03CV+15µA (5minute)	I=0.02CV+25µA以下 (5分钟值) I=0.02CV+25µA (5minute)										
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耐 久 性 Endurance	<p>在105℃环境中，不超过额定电压的范围内叠加额定纹波电流，连续加载右表时间后，满足以下各项要求。 After life test with rated ripple current at conditions stated in the table below, the capacitors shall meet the following requirements.</p> <table border="1"> <thead> <tr> <th>静电容量变化率 Capacitance Change</th> <th>初期值的±20%以内 Within ±20% of the initial value.</th> </tr> </thead> <tbody> <tr> <td>损失角正切值 Dissipation Factor</td> <td>规格值的200%以下 Not more than 200% of the specified value.</td> </tr> <tr> <td>漏 电 流 Leakage Current</td> <td>规格值以下 Not more than the specified value.</td> </tr> </tbody> </table> <table border="1"> <thead> <tr> <th>铝壳尺寸 Case Size</th> <th>时间 (hrs) Life Time</th> </tr> </thead> <tbody> <tr> <td>8×11.5, 10×12.5</td> <td>8000</td> </tr> <tr> <td>10×16, 10×20</td> <td>10000</td> </tr> <tr> <td>φ D ≥ 12.5</td> <td>12000</td> </tr> </tbody> </table> <p>※但是500WV品为10000小时 500WV : 10000hrs</p>	静电容量变化率 Capacitance Change	初期值的±20%以内 Within ±20% of the initial value.	损失角正切值 Dissipation Factor	规格值的200%以下 Not more than 200% of the specified value.	漏 电 流 Leakage Current	规格值以下 Not more than the specified value.	铝壳尺寸 Case Size	时间 (hrs) Life Time	8×11.5, 10×12.5	8000	10×16, 10×20	10000	φ D ≥ 12.5	12000		
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### ◆ 纹波电流修正系数 / MULTIPLIER FOR RIPPLE CURRENT

频率系数 Frequency coefficient

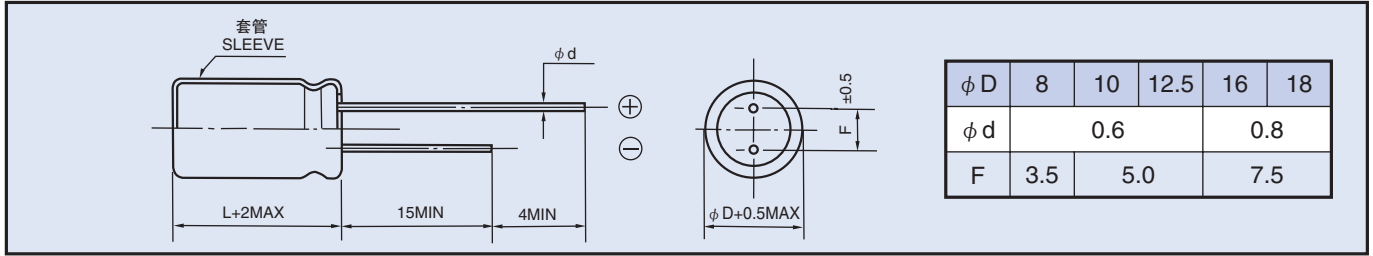
频率 (Hz) Frequency	120	1k	10k	100k≤
1~5.6µF	0.2	0.4	0.8	1.0
6.8~15µF	0.3	0.6	0.9	1.0
22~82µF	0.4	0.7	0.9	1.0
100~220µF	0.45	0.75	0.9	1.0

### ◆ 产品型号体系 / PART NUMBER

□□□	BXC	□□□□□	□	□□□	□□	D×L
额定电压 Rated Voltage	系列名称 Series	额定静电容量 Rated Capacitance	静电容量允许差 Capacitance Tolerance	副记号 Option	引线加工记号 Lead Forming	铝壳尺寸 Case Size

◆尺寸图/DIMENSIONS

(mm)



◆标准品一览表/STANDARD SIZE

Size  $\phi D \times L$ (mm), Ripple Current (mA r.m.s./105°C, 100kHz)

额定电压 WV(V.DC) 额定静电 容量Cap( $\mu$ F)	160(2C)		200(2D)		250(2E)		350(2V)	
	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple
4.7					8 × 11.5	160	10 × 12.5	150
5.6							10 × 12.5	180
6.8					10 × 12.5	250	10 × 16	280
10	10 × 16	320	10 × 16	320	10 × 16	320	10 × 20	350
22	10 × 20	500	10 × 20	500	10 × 16 10 × 20	470 500	12.5 × 20	650
33	10 × 20	650	10 × 20	650	12.5 × 16 12.5 × 20	760 800	16 × 20	900
47	10 × 20	750	12.5 × 20	980	12.5 × 20	980	16 × 20	1080
56					12.5 × 20 18 × 16	1080 960		
68	12.5 × 20	1180	12.5 × 25 16 × 20	1300	12.5 × 25 16 × 20	1300 1300	18 × 25	1470
82			16 × 20	1380	12.5 × 30 16 × 20	1500 1440	18 × 25	1530
100	12.5 × 25 16 × 20	1420	16 × 20	1420	16 × 25 18 × 20	1530 1440		
120					18 × 20	1500		
150	16 × 25	1890	16 × 25	1890	18 × 25	1960		
220	18 × 25	2370						

额定电压 WV(V.DC) 额定静电 容量Cap( $\mu$ F)	400(2G)		450(2W)		500(2H)	
	Size	Ripple	Size	Ripple	Size	Ripple
1	8 × 11.5 10 × 12.5	60 70				
1.5	8 × 11.5 10 × 12.5	90 100				
1.8	8 × 11.5 10 × 12.5	95 120				
2.2	8 × 11.5 10 × 12.5	95 140				
3.3	10 × 12.5 10 × 16	150 180				
4.7	10 × 16	220	10 × 16 10 × 20	180 220		
5.6	10 × 16	250	10 × 16 10 × 20	200 250		
6.8	10 × 16	280	10 × 16 10 × 20	230 280		
8.2			10 × 20	280		
10	10 × 20	350	10 × 20 12.5 × 16 12.5 × 20	330 360 450	12.5 × 20	320
15	12.5 × 20	550	12.5 × 20 12.5 × 25 16 × 16	450 600	12.5 × 25 16 × 20	440
22	12.5 × 25 16 × 20	760	12.5 × 25 16 × 20	600 730	12.5 × 35 16 × 25 18 × 20	560
33	16 × 20	900	16 × 20 16 × 25 18 × 20	730 980 780	16 × 31.5 18 × 25	700
47	16 × 25 18 × 20	1180	18 × 25	1200	18 × 31.5	880
68	18 × 25	1470				

引线  
LEAD WIRE

BXC