

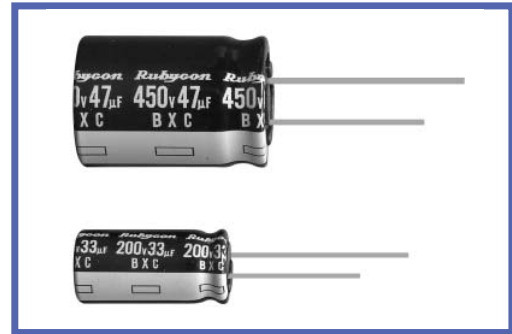
BXC SERIES

UPGRADE

Load Life:105°C 8000~12000 hours.

◆ **FEATURES**

- High Ripple Current
- For Electronic Ballast
- RoHS compliance.



◆ **SPECIFICATIONS**

Items	Characteristics																	
Category Temperature Range	-25~+105°C																	
Rated Voltage Range	160~500V.DC																	
Capacitance Tolerance	±20% (20°C, 120Hz)																	
Leakage Current(MAX)	<table border="1"> <thead> <tr> <th>CV ≤1000</th> <th>CV >1000</th> </tr> </thead> <tbody> <tr> <td>I=0.1CV+40µA (1minute)</td> <td>I=0.04CV+100µA (1minute)</td> </tr> <tr> <td>I=0.03CV+15µA (5minutes)</td> <td>I=0.02CV+25µA (5minutes)</td> </tr> </tbody> </table>	CV ≤1000	CV >1000	I=0.1CV+40µA (1minute)	I=0.04CV+100µA (1minute)	I=0.03CV+15µA (5minutes)	I=0.02CV+25µA (5minutes)	I=Leakage Current(µA) C=Rated Capacitance(µF) V=Rated Voltage(V)										
CV ≤1000	CV >1000																	
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(tanδ) Dissipation Factor(MAX)	<table border="1"> <thead> <tr> <th>Rated Voltage(V)</th> <th>160</th> <th>200</th> <th>250</th> <th>350</th> <th>400</th> <th>450</th> <th>500</th> </tr> </thead> <tbody> <tr> <td>tan δ</td> <td>0.15</td> <td>0.15</td> <td>0.15</td> <td>0.20</td> <td>0.20</td> <td>0.20</td> <td>0.24</td> </tr> </tbody> </table>	Rated Voltage(V)	160	200	250	350	400	450	500	tan δ	0.15	0.15	0.15	0.20	0.20	0.20	0.24	(20°C, 120Hz)
Rated Voltage(V)	160	200	250	350	400	450	500											
tan δ	0.15	0.15	0.15	0.20	0.20	0.20	0.24											
Endurance	After life test with rated ripple current at conditions stated in the table below, the capacitors shall meet the following requirements.																	
	<table border="1"> <tbody> <tr> <td>Capacitance Change</td> <td>Within ±20% of the initial value.</td> </tr> <tr> <td>Dissipation Factor</td> <td>Not more than 200% of the specified value.</td> </tr> <tr> <td>Leakage Current</td> <td>Not more than the specified value.</td> </tr> </tbody> </table>	Capacitance Change	Within ±20% of the initial value.	Dissipation Factor	Not more than 200% of the specified value.	Leakage Current	Not more than the specified value.	<table border="1"> <thead> <tr> <th>Case Size</th> <th>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>* 500WV:10000hrs</p>	Case Size	Life Time	8×11.5, 10×12.5	8000	10×16, 10×20	10000	φ D ≥ 12.5	12000		
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Low Temperature Stability Impedance Ratio(MAX)	<table border="1"> <thead> <tr> <th>Rated Voltage(V)</th> <th>160</th> <th>200</th> <th>250</th> <th>350</th> <th>400</th> <th>450</th> <th>500</th> </tr> </thead> <tbody> <tr> <td>Z(-25°C)/Z(20°C)</td> <td>3</td> <td>3</td> <td>3</td> <td>6</td> <td>6</td> <td>6</td> <td>6</td> </tr> </tbody> </table>	Rated Voltage(V)	160	200	250	350	400	450	500	Z(-25°C)/Z(20°C)	3	3	3	6	6	6	6	(120Hz)
Rated Voltage(V)	160	200	250	350	400	450	500											
Z(-25°C)/Z(20°C)	3	3	3	6	6	6	6											

◆ **MULTIPLIER FOR RIPPLE CURRENT**

Frequency coefficient

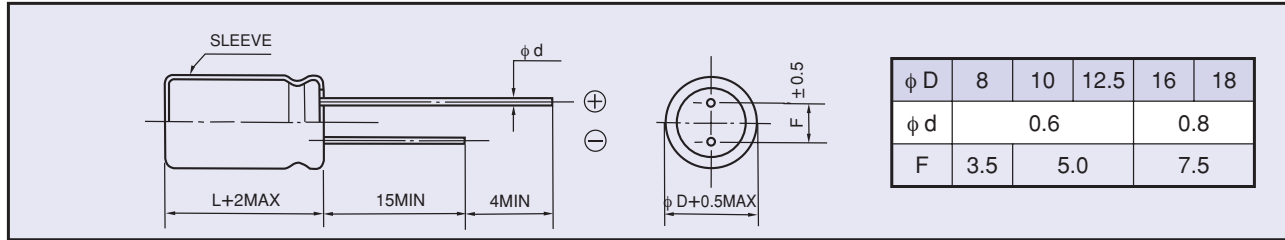
Frequency (Hz)		120	1k	10k	100k ≤
Coefficient	1~5.6 µF	0.2	0.4	0.8	1.0
	6.8~15 µF	0.3	0.6	0.9	1.0
	22~82 µF	0.4	0.7	0.9	1.0
	100~220 µF	0.45	0.75	0.9	1.0

◆ **PART NUMBER**

BXC D×L
 Rated Voltage Series Rated Capacitance Capacitance Tolerance Option Lead Forming Case Size

◆DIMENSIONS

(mm)



◆STANDARD SIZE

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

Cap(μF) \ WV (V.DC)	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						

Cap(μF) \ WV (V.DC)	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	450 600 600	12.5×25 16×20	440
22	12.5×25 16×20	760	12.5×25 16×20 16×20	600 730 730	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				