



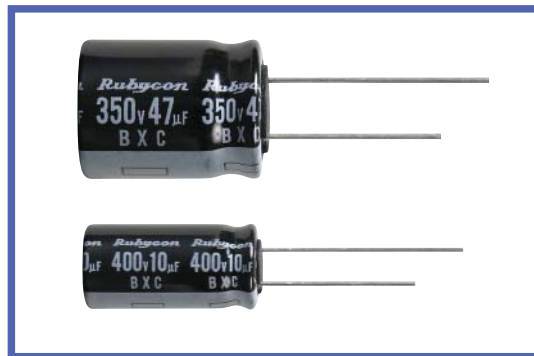
BXC SERIES

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

◆ MULTIPLIER FOR RIPPLE CURRENT

Frequency coefficient

Frequency(Hz)		120	1k	10k	100k≤
Coefficient	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

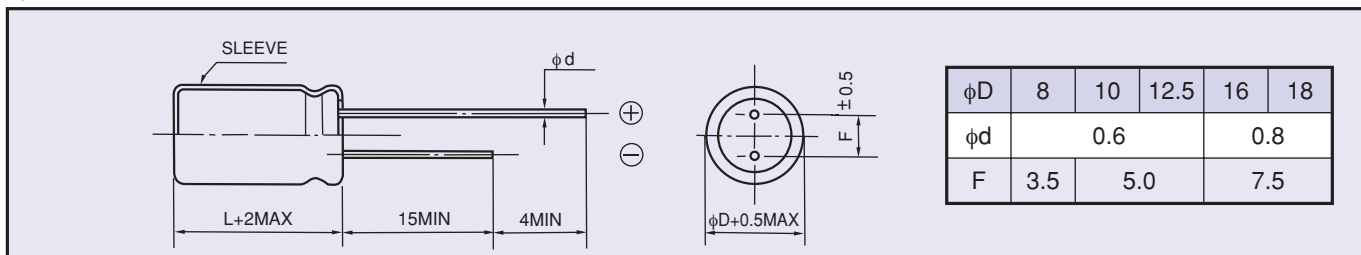
◆ PART NUMBER

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



◆ DIMENSIONS

(mm)



◆ STANDARD SIZE

Size φD×L(mm), Ripple Current (mA r.m.s./105°C, 100kHz)

WV(V.DC) Cap(μF)	160(2C)		200(2D)		250(2E)	
	Size	Ripple	Size	Ripple	Size	Ripple
4.7					8×11.5	160
6.8					10×12.5	250
10	10×16	320	10×16	320	10×16	320
22	10×20	500	10×20	500	10×16 10×20	470 500
33	10×20	650	10×20	650	12.5×16 12.5×20	760 800
47	10×20	750	12.5×20	980	12.5×20	980
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
82			16×20	1380	12.5×30 16×20	1500 1440
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				

WV(V.DC) Cap(μF)	350(2V)		400(2G)		450(2W)	
	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	10×12.5	150	10×16	220	10×16 10×20	180 220
5.6	10×12.5	180	10×16	250	10×16 10×20	200 250
6.8	10×16	280	10×16	280	10×16 10×20	230 280
8.2					10×20	280
10	10×20	350	10×20	350	10×20 12.5×16 12.5×20	330 360 450
15			12.5×20	550	12.5×20 12.5×25	450 600
22	12.5×20	650	12.5×25 16×20	760	16×16 12.5×25 16×20	600 600 730
33	16×20	900	16×20	900	16×20 16×25 18×20	730 980 780
47	16×20	1080	16×25 18×20	1180	18×25	1200
68	18×25	1470	18×25	1470		
82	18×25	1530				