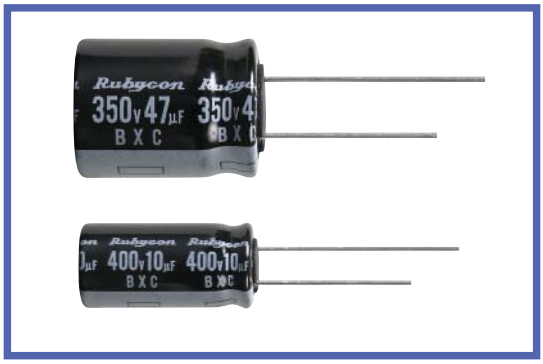
BXC SERIES

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: I=0.1CV+40μA (1minute); I=0.03CV+15μA (5minutes) CV>1000: 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)	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)
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. Dissipation Factor: Not more than 200% of the specified value. Leakage Current: Not more than the specified value. Case Size / Life Time (hrs): 8×11.5, 10×12.5: 8000; 10×16, 10×20: 10000; φD≧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

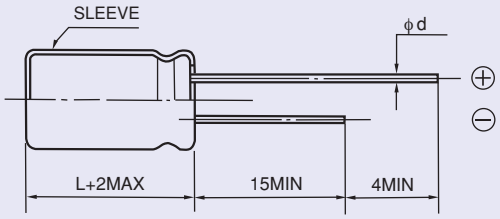
Frequency(Hz)		120	1k	10k	100k≦
Coefficient	1~5.6μF	0.2	0.4	0.8	1.0
	6.8~15μF	0.3	0.6	0.9	1.0
	22~82μF	0.4	0.7	0.9	1.0
	100~220μF	0.45	0.75	0.9	1.0

◆PART NUMBER

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

◆DIMENSIONS

(mm)



φD	8	10	12.5	16	18
φd	0.6			0.8	
F	3.5	5.0		7.5	

◆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 16×16	450 600 600
22	12.5×20	650	12.5×25 16×20	760	12.5×25 16×20	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				