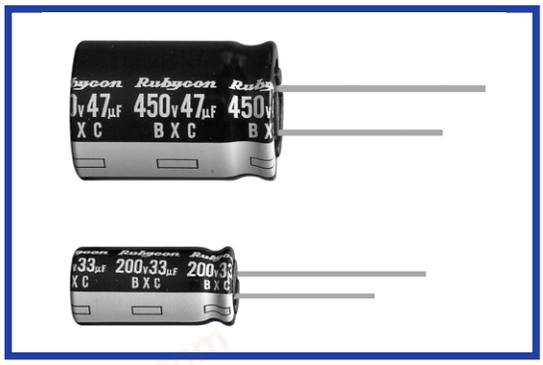
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Rubycon | MINIATURE ALUMINUM ELECTROLYTIC CAPACITORS | BXC

BXC SERIES

Load Life:105℃ 8000～12000 hours.



◆FEATURES

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

◆SPECIFICATIONS

Items	Characteristics
Category Temperature Range	−25～+105℃
Rated Voltage Range	160～500V.DC
Capacitance Tolerance	±20%(20℃,120Hz)
Leakage Current(MAX)	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)
(tanδ) Dissipation Factor(MAX)	(20℃,120Hz)

(V) Rated Voltage	160	200	250	350	400	450	500
tanδ	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.

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	(hrs) Life Time
8×11.5, 10×12.5	8000
10×16, 10×20	10000
φD≧12.5	12000

※500WV:10000hrs

Low Temperature Stability Impedance Ratio(MAX) (120Hz)

Rated Voltage (V)	160	200	250	350	400	450	500
Z(−25℃)/Z(20℃)	3	3	3	6	6	6	6

◆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

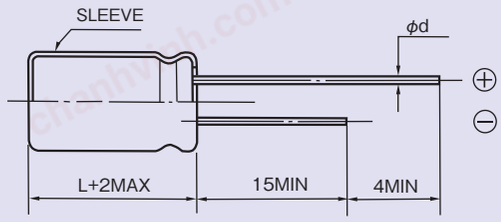
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MINIATURE ALUMINUM ELECTROLYTIC CAPACITORS BXC

◆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℃, 100kHz)

WV (V.DC) / Cap(μF)	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	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						

WV (V.DC) / Cap(μF)	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				