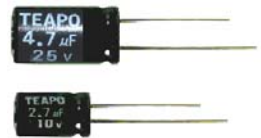


ALUMINUM ELECTROLYTIC CAPACITORS

BX Bi-Polar
Series

- Features: 105℃, 1000hrs, Bi-polarized/Polarity reversing
- Recommended Applications: TV/Monitor, Horizontal deflection correction
- Corresponding product to RoHS

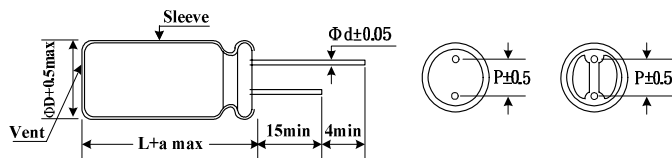
BX
↑
SR High Temperature



Specifications

Item	Characteristics			
Operating Temperature Range	-40 ~ +105℃			
Rated Voltage Range	25 ~ 50VDC			
Rated Capacitance Range	1 ~ 33 μF			
Capacitance Tolerance	± 10 % (K) at 120Hz , 20℃			
Leakage Current (MAX) (20℃)	I ≤ 100μA (After rated voltage applied for 2 minutes)			
	I= Leakage Current (μA)			
Dissipation Factor (MAX) (tan δ) (120Hz ,20℃)	WV	25	35	50
	tan δ	0.05	0.05	0.05
Endurance	After applying rated voltage for 1000 hours at 105℃ ,the capacitors shall meet the following requirements. (The polarity shall be reversed every 250 hours)			
	Capacitance Change		Within ± 15 % of the initial value	
	Dissipation Factor		Not more than 200% of the specified value	
	Leakage Current		Not more than the specified value	
Shelf Life	After placed at 105℃ without voltage applied for 500 hours,the capacitor shall meet the same requirement as Enduran			

Dimensions



ϕ D	10	13	16	18	22	25
P	5.0	5.0	7.5	7.5	10.0	12.5
ϕ d	0.6	0.6	0.8	0.8	0.8	1.0
a	1.5	2.0	2.0	2.0	2.0	2.0

Multiplier for Ripple Current

Frequency coefficient

Frequency (Hz)	60	120	400 ~ 1 K	15.75 K
25~50 V	0.4	0.4	0.8	1.0

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BX

Bi-Polar
Series

■ Dimensions, Rated Ripple Current, Equivalent Series Resistance

Capacitance (μF)	Rated (Surge) Voltage								
	25 (32)			35 (44)			50 (63)		
	Size	Ripple	ESR	Size	Ripple	ESR	Size	Ripple	ESR
1							10x20	1.4	66.4
1.2				10x20	1.5	55.3	13x20	1.8	55.3
1.5				10x20	1.8	44.3	13x20	2.0	44.3
1.8	10x20	1.9	36.9	13x20	2.2	36.9	13x20	2.2	36.9
2.2	13x20	2.5	30.2	13x20	2.5	30.2	13x20	2.5	30.2
2.7	13x20	2.7	24.6	13x20	2.7	24.6	13x25	3.0	24.6
3.3	13x20	3.1	20.1	13x25	3.3	20.1	16x25	3.8	20.1
3.9	13x20	3.3	17	13x25	3.6	17	16x25	4.0	17.0
4.7	13x25	4.0	14.1	16x25	4.5	14.1	16x25	4.5	14.1
5.6	16x25	5.0	11.9	16x25	5.0	11.9	16x32	5.4	11.9
6.8	16x25	5.5	9.76	16x32	6.0	9.76	16x36	6.8	9.76
8.2	16x25	6.0	8.09	16x32	6.5	8.09	18x36	7.4	8.10
10	16x32	7.3	6.64	16x36	7.6	6.64	18x40	8.5	6.64
12	16x36	8.5	5.53	18x36	8.5	5.53	22x40	9.3	5.53
15	18x36	9.3	4.43	18x40	10	4.43	22x40	11	4.43
18	18x40	11	3.69	22x40	12	3.69	25x40	14	3.69
22	22x40	13	3.02	22x40	14	3.02	25x40	15	3.02
27	22x40	15	2.46	25x40	16	2.46			
33	25x40	18	2.01						

☆ Size: D φ x L (mm) ☆ Max Ripple Current [RC(Ap-p) / Sawtooth waveform 15.75KHz, 105℃] ☆ ESR: (Ω), 120Hz, 20℃