

**PFB Series**

- 130°C 8,000~10,000Hrs assured.

- Non-solvent proof
- Wide Temperature range.
- Long Life.
- Applicable to compact sized Adaptor for TV power
- RoHS compliant.
- Halogen-free capacitors are also available.

PXB

PFB

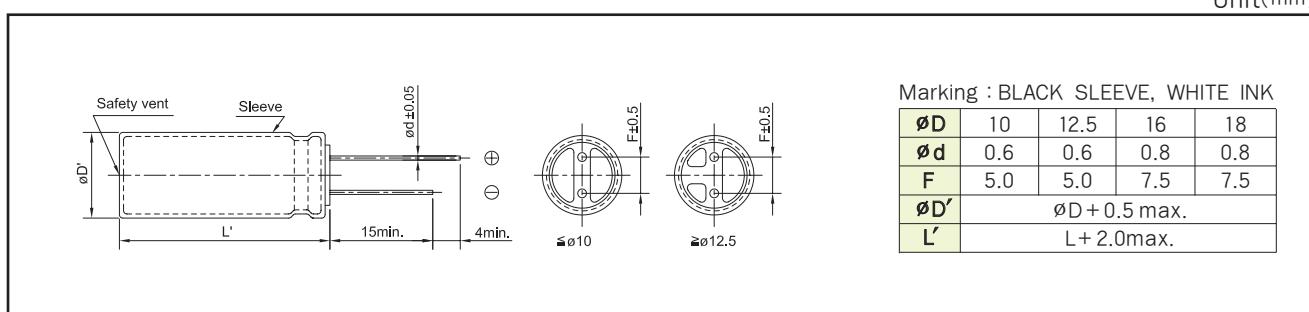
Wide Temp., Long Life

**SPECIFICATIONS**

Item	Characteristics		
Rated Voltage Range	400 ~ 500 V <sub>DC</sub>		
Operating Temperature Range	-25 ~ +130°C		
Capacitance Tolerance	±20%(M) (at 20°C,120Hz)		
Leakage Current	CV	Time	After 1 minute      After 5 minutes
	≤ 1000		I=0.1CV+40      I=0.03CV+15
	> 1000		I=0.04CV+100      I=0.02CV+25
	Where, I:Max. Leakage current(μA),C:Nominal capacitance(μF),V:Rated voltage(V <sub>DC</sub> ) (at 20°C)		
Dissipation Factor(Tanδ)	Rated Voltage(V <sub>DC</sub> )	400	420 ~ 500
	Tanδ(Max.)	0.20	0.24
	(at 20°C,120Hz)		
Temperature Characteristics (Max. Impedance ratio)	Rated Voltage(V <sub>DC</sub> )	400 ~ 500	
	Z(-25°C)/Z(+20°C)	6	
	(at 120Hz)		
Load Life	<p>The following specifications shall be satisfied when the capacitors are restored to 20°C after the rated voltage with the rated ripple current is applied(the peak voltage shall not exceed the rated voltage) for 10,000 hours at 130°C(Where 8,000 hours for Ø10, Ø12.5)</p> <p>Capacitance change ≤ ±30% of the initial value Tanδ ≤ 300% of the initial specified value Leakage Current ≤ The initial specified value</p>		
Shelf Life	<p>The following specifications shall be satisfied when the capacitors are restored to 20°C after exposing them for 1,000 hours at 130°C without voltage applied. The rated voltage shall be applied to the capacitors for a minimum of 30 minutes, at least 24 hours and not more than 48 hours before the measurements.</p> <p>Capacitance change ≤ ±30% of the initial value Tanδ ≤ 300% of the initial specified value Leakage current ≤ 500% of the initial specified value</p>		
Others	Satisfied characteristics KS C IEC 60384-4		

**DIMENSIONS OF PFB Series**

Unit(mm)





# MINIATURE ALUMINUM ELECTROLYTIC CAPACITORS

## RATINGS OF PFB Series

V <sub>DC</sub>	400		420	
	μF	Rated Ripple Current (mArms/130°C, 120Hz)	μF	Rated Ripple Current (mArms/130°C, 120Hz)
10×50	33	230	33	210
12.5×50	56	330	56	310
12.5×60	68	390	68	360
16×20	27	180	27	170
16×25	39	240	39	220
16×31.5	56	310	56	290
16×35.5	68	350	68	330
16×40	68	370	68	350
16×45	82	420	82	400
16×50	100	490	100	460
18×20	39	230	39	220
18×25	56	300	56	280
18×31.5	82	390	82	370
18×35.5	82	410	82	390
18×40	100	470	100	450
18×45	120	540	120	510
18×50	150	630	150	590

V <sub>DC</sub>	450		500	
	μF	Rated Ripple Current (mArms/130°C, 120Hz)	μF	Rated Ripple Current (mArms/130°C, 120Hz)
10×50	27	160	22	140
12.5×50	47	230	39	210
12.5×60	56	270	47	250
16×20	22	120	18	110
16×25	33	170	22	130
16×31.5	39	200	33	180
16×35.5	47	230	39	210
16×40	56	260	47	240
16×45	68	300	53	260
16×50	82	340	56	280
18×20	27	150	22	130
18×25	39	190	33	180
18×31.5	56	250	47	230
18×35.5	68	290	53	250
18×40	82	330	56	270
18×45	82	350	68	310
18×50	100	400	82	360

## RATED RIPPLE CURRENT MULTIPLIERS

Frequency Multipliers

Freq.(Hz) Cap.(μF)	120	1k	10k	50k	100k
18~150	1.00	1.30	1.40	1.43	1.50