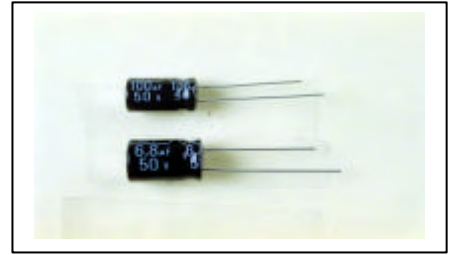


BP Series

Features
 Lifetime: 85, 1000hrs
 Bi-polarized/ Polarity reversing
 High ripple current

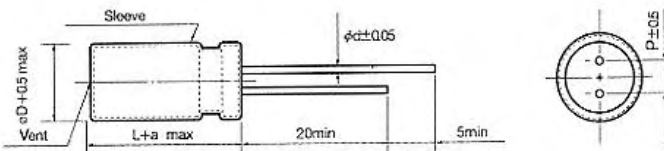
Recommended Applications
 TV/Monitor
 Horizontal deflection correction



Specifications

Items	Characteristics			
Capacitance Tolerance	$\pm 10\%$ (K) (120Hz, 20)			
Rated Voltage Range (WV)	25~50 VDC			
Operating Temperature Range	-40 ~ +85			
Surge Voltage (V) (20)	WV	25	35	50
	SV	32	44	63
Leakage Current (Max) (20)	I = 100 μ A (After rated voltage applied for 2 minutes)			
	I = Leakage Current (μ A)			
Dissipation Factor (Max) (tan) (120Hz , 20)	WV	25	35	50
	tan	0.05	0.05	0.05
Load Life	After applying rated voltage for 1000 hours at 85 , the capacitor shall meet the following requirement.			
	Capacitance Change	Within $\pm 15\%$ 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 85 without voltage applied for 500 hours, the capacitor shall meet the same requirement as load life.			
Applicable standards	Refer to JIS C-5101			

Dimensions (mm)



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

() : L 30

Multiplier for Ripple Current

Temperature coefficient

Ambient Temperature ()	50	70	85
Coefficient	1.36	1.25	1.00

Case Size / Max Ripple Current / ESR

CASE SIZE (DxL(mm)) / MAX PERMISSIBLE RIPPLE CURRENT (RC(A_{pp}) / Sawtooth wave 15.75KHz,85) /
 MAX EQUIVALENT SERIES RESISTANCE (ESR() / 120Hz,20)

wv	25			35			50		
SPEC	DxL	RC	ESR	DxL	RC	ESR	DxL	RC	ESR
μ F									
1							10x20	1.6	66.4
1.2				10x20	1.8	55.3	13x20	2.1	55.3
1.5				10x20	2.1	44.3	13x20	2.4	44.3
1.8	10x20	2.2	36.9	13x20	2.6	36.9	13x20	2.6	36.9
2.2	13x20	2.9	30.2	13x20	2.9	30.2	13x20	2.9	30.2
2.7	13x20	3.2	24.6	13x20	3.2	24.6	13x25	3.5	24.6
3.3	13x20	3.6	20.1	13x25	3.9	20.1	16x26	4.5	20.1
3.9	13x20	3.9	17.0	13x25	4.2	17.0	16x26	4.8	17.0
4.7	13x25	4.7	14.1	16x26	5.3	14.1	16x26	5.3	14.1
5.6	16x26	5.9	11.9	16x26	5.9	11.9	16x32	6.4	11.9
6.8	16x26	6.5	9.76	16x32	7	9.76	16x36	8	9.76
8.2	16x26	7.1	8.09	16x32	7.7	8.09	18x36	8.7	8.10
10	16x32	8.6	6.64	16x36	9	6.64	18x40	10	6.64
12	16x36	10	5.53	18x36	10	5.53	22x40	11	5.53
15	18x36	11	4.43	18x40	12	4.43	22x40	13	4.43
18	18x40	13	3.69	22x40	14	3.69	25x40	16	3.69
22	22x40	15	3.02	22x40	16	3.02	25x40	18	3.02
27	22x40	18	2.46	25x40	19	2.46			
33	25x40	22	2.01						