

## FEATURES

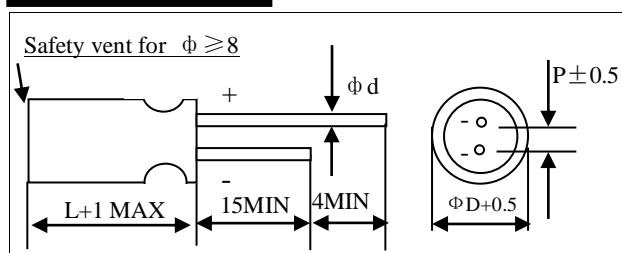
- 1、 The BP series is designed for horizontal deflection current in the TV sets where high frequency and high ripple current flows
- 2、 Small dissipation factor at high frequency.

## SPECIFICATIONS

Item	Performance Characteristics														
Operating Temperature Range	-40to +105℃														
Rated Working voltage Range	25 50 63V														
Nominal Capacitance Range	1~47(uF)														
Capacitance Tolerance	±20% (120Hz, +20℃)														
Leakage Current	$I \leq 100(\mu A)$ max After 5 seconds application of rated working voltage at +20℃														
Dissipation Factor $\tan \delta$ (120Hz+20℃)	Less than 0.05														
Low Temperature Characteristics	Impedance ratio max. at 120Hz														
	<table border="1"> <tr> <td>Working voltage(V)</td> <td>25</td> <td>50</td> <td>63</td> </tr> <tr> <td>Z-25℃/Z+20℃</td> <td colspan="3">2</td> </tr> <tr> <td>Z-40℃/Z+20℃</td> <td colspan="3">4</td> </tr> </table>	Working voltage(V)	25	50	63	Z-25℃/Z+20℃	2			Z-40℃/Z+20℃	4				
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Multiplier for Ripple Current vs. Temperature	<table border="1"> <tr> <td>Temperature℃</td> <td>45</td> <td>60</td> <td>70</td> <td>85</td> <td>95</td> <td>105</td> </tr> <tr> <td>Multiplier</td> <td>2.10</td> <td>1.90</td> <td>1.65</td> <td>1.40</td> <td>1.25</td> <td>1.00</td> </tr> </table>	Temperature℃	45	60	70	85	95	105	Multiplier	2.10	1.90	1.65	1.40	1.25	1.00
Temperature℃	45	60	70	85	95	105									
Multiplier	2.10	1.90	1.65	1.40	1.25	1.00									
High temperature Loading	Test following specification shall satisfied when the capacitors are restored to +20℃ after the rated voltage applied for 2000 hours at 105℃ Leakage current : $\leq$ Initial specified value Capacitance change : $\leq \pm 20\%$ of initial measured $\tan \delta$ : $\leq 200\%$ of initial specified value														
Shelf life	Test conditions Duration :1000 hours Ambient temperature :+105℃ Applied voltage : (None) Post test requirements at +20℃ Leakage current : $\leq 100(\mu A)$ Capacitance change : $\leq \pm 20\%$ of initial measured $\tan \delta$ : $\leq 150\%$ of initial specified value														
Others	JIS C-5141 JIS C-5102														

## CASE SIZE TABLE

Unit:mm



D $\phi$	10—13	16—18	22
P	5.0	7.5	10
d $\phi$ ( $\pm 0.05$ )	0.6	0.8	



## Miniature Aluminum Electrolytic Capacitors

### DIMENSIONS

φ D × L (mm)

WV(SV)		25V(32)		50V(63)		63V(79)	
Cap.(uF)	Code	1E		1H		1J	
1.0	105	10×20	1.8	10×20	1.8	10×20	1.8
2.2	225	13×20	2.3	13×25	3.3	13×25	3.3
3.3	335	13×20	4.5	13×25	4.5	13×25	4.5
4.7	475	13×20	6.0	16×30	6.0	16×30	6.0
5.6	565	16×25	6.6	16×35	6.6	16×35	6.6
6.8	685	16×25	7.0	16×35	7.0	16×35	7.0
10	106	16×25	7.7	16×35	7.7	16×35	7.7
12	126	16×25	8.0	16×35	8.0	16×35	8.0
15	156	16×30	8.6	18×40	8.6	18×40	8.6
18	186	16×35	9.0	18×40	9.0	18×40	9.0
22	226	22×40	12.0	22×40	12.0	22×40	12.0
27	276	22×40	12.0	22×40	12.0	22×40	12.0
39	336	22×40	12.0	22×40	12.0	22×40	12.0
47	476	22×40	12.0	22×40	12.0	22×40	12.0

Case size    Allowable ripple  
Allowable Ripple (mA rms) at 105°C 15.7KHz