BP Series

Features

- The BP Series is designed for horizontal deflection current in TV sets where high frequency.
- And high ripple current flows
- Low dissipation factor at high frequency.
- For detail specifications, please refer to Engineering Bulletin No.E111

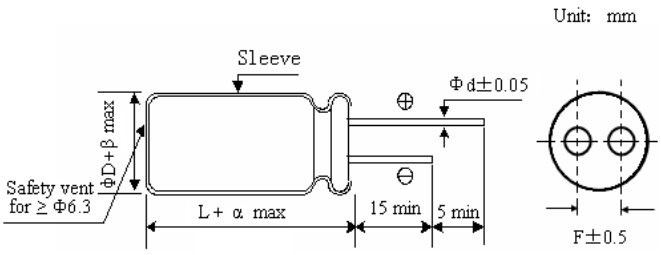
Specifications

Item	Performance Characteristics
Operating Temperature Range	-40~+105℃
Rate Voltage Range	25,50,63VDC
Capacitance Range	2.2~15μF
Capacitance Tolerance	±10%（120Hz，+20℃）
Leakage current （+20℃,max.）	I=100（μA）max. After 1 minutes with rated working voltage applied
Dissipation factor （tgδ）	Less than 3%(+20℃,at 120HZ)
Low Temperature Characteristics （120Hz）	Impedance ratio max. Working Voltage(VDC) 25 50 63 Z-40℃/ Z+20℃ 4 4 4
Load Life	Test conditions Duration time :2000Hrs Ambient temperature : +105℃ Applied voltage : Rated DC working voltage After test requirement at +20℃ Capacitance change : ≤±15% of the initial measured value Dissipation factor : ≤150% of the initial specified value Leakage current : ≤The initial specified value
Shelf Life	Test conditions Duration time : 1000Hrs Ambient temperature : +105℃ Applied voltage : None After test requirement at +20℃ : Same limits as Load life Pre-treatment for measurements shall be conducted after application of DC working voltage for 30 minutes

Multiplier for Ripple Current vs .Temperature

Temperature(℃)	45	60	70	85	95	105
Multiplier	2.10	1.90	1.65	1.40	1.25	1.00

Diagram of Dimensions



ΦD	10	13	16	18	22
F	5.0	5.0	7.5	7.5	10
Φd	0.6	0.6	0.8	0.8	0.8

BP series

Case Size

ΦD×L

Voltage	25V			50V			63V		
Cap(μF)	Case Size	Ripple Current(Unit:A P-P)		Case Size	Ripple Current(Unit:A P-P)		Case Size	Ripple Current(Unit:A P-P)	
		85℃	70℃		85℃	70℃		85℃	70℃
2.2	13×25	5.8	7.5	13×25	5.8	7.5	13×25	5.8	7.5
3.3	16×25	7.0	9.1	16×25	7.0	9.1	16×25	7.0	9.1
4.7	16×31.5	7.8	10	16×31.5	7.8	10	16×31.5	7.8	10
6.8	16×35.5	8.0	10.4	16×35.5	8.0	10.4	16×35.5	8.0	10.4
10	18×35.5	8.6	11.1	18×35.5	8.6	11.1	18×35.5	8.6	11.1
12	18×41	8.8	11.5	18×41	8.8	11.5	18×41	8.8	11.5
15	18×41	9.5	12.2	18×41	9.5	12.2	18×41	9.5	12.2

Ripple Current (A,rms) at 15.75KHz,Case Size