



## LBP Bi-Polarized for TV Set



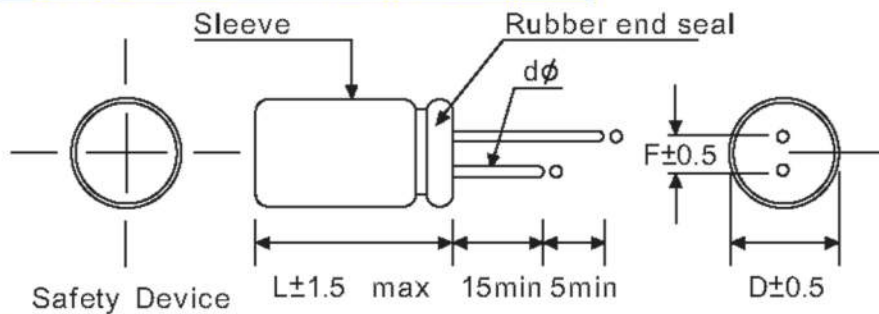
### Features

- The LBP series is designed for horizontal deflection current in TV sets where high frequency and high ripple current flows.
- Low dissipation factor at high frequency.

### Specifications

Item	Performance Characteristics							
Operating Temperature Range	-40 to +105°C							
Rated voltage Range	25,50,63 VDC							
Capacitance Range	2.2 to 15 µF							
Capacitance Tolerance	±10%(120Hz, +20°C)							
Leakage Current (+20°C, max.)	I = 100(µA) max. After 1 minute with rated working voltage applied.							
Dissipation Factor (tanδ)	Less than 3% (+20°C, at 120Hz, max.)							
Low Temperature Characteristics (at 120Hz)	Impedance ratio max.							
	<table border="1"> <thead> <tr> <th>Working Voltage (VDC)</th> <th>25</th> <th>50</th> <th>63</th> </tr> </thead> <tbody> <tr> <td>Z (-40°C)/Z(+20°C)</td> <td>4</td> <td>4</td> <td>4</td> </tr> </tbody> </table>	Working Voltage (VDC)	25	50	63	Z (-40°C)/Z(+20°C)	4	4
Working Voltage (VDC)	25	50	63					
Z (-40°C)/Z(+20°C)	4	4	4					
Load Life	Test conditions Duration time : 2000Hrs Ambient temperature:+105°C Applied voltage: Rated DC working voltage After test requirements:at+20°C 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°C Applied voltage: None After test requirements at +20°C: Same limits as Load life. Pre-treatment for measurements shall be conducted after application of DC working voltage for 30 minutes.							

### Diagram of Dimensions: (Unit: mm)



Dφ	10	13	16	18	22
F	5.0	5.0	7.5	7.5	10
dφ	0.6		0.8		

### Case Size

µF	Size DxL(mm)	WV	Max Ripple Current (at ,15.75K Hz Unit: A P-P)		
			105°C	85°C	70°C
2.2	13x26	25V,50V,63V	3.4 A P-P	5.8 A P-P	7.5 A P-P
3.3	16x26	25V,50V,63V	4.1 A P-P	7.0 A P-P	9.1 A P-P
4.7	16x31	25V,50V,63V	4.5 A P-P	7.8 A P-P	10 .0A P-P
6.8	16x36	25V,50V,63V	4.6 A P-P	8.0 A P-P	10.4 A P-P
10	18x36	25V,50V,63V	4.9 A P-P	8.6 A P-P	11.1 A P-P
12	18x41	25V,50V,63V	5.0 A P-P	8.8 A P-P	11.5 A P-P
15	18x41	25V,50V,63V	5.4 A P-P	9.5 A P-P	12.2 A P-P

(Unit: mm) and Maximum Ripple Current (Unit A P-P,15.75K Hz at 105°C)